JVC

SERVICE MANUAL

COLOR TELEVISION

AV-32S565 /r, AV-32S575 /r, AV-32S585 /r

BASIC CHASSIS

SC2







[AV-32S575] [AV-32S585]

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SPECIFICATION

		Contents				
Items		AV-32S565	AV-32S575	AV-32S585		
Dimensions (W × H × D)			93.9cm × 68.5cm × 57.0cm			
, , , , , , , , , , , , , , , , , , ,		$(34-5/8" \times 27-5/8" \times 22-1/4")$,		
Mass		66.0 kg (145.2 lbs)	65.0 kg (143.1 lbs)			
TV RF System		CCIR (M)				
Color System		NTSC				
Sound System		BTSC (Multi Channel Sound	d)			
Teletext System		Closed caption (T1-T4 / CC	1-CC4)			
TV Receiving Channels	VHF Low	02ch to 06ch : 54MHz to 88	MHz			
and Frequency	VHF High	07ch to 13ch : 174MHz to 2	16MHz			
		14ch to 69ch : 470MHz to 8	06MHz			
	CATV	54MHz to 804MHz				
		Low Band : 02 to 06, A-8 by				
		High Band : 07 to 13 by 07				
		Mid Band: A to I by 14 to 2				
		Super Band : J to W by 23 t Hyper Band : W+1 to W+28				
		Ultra Band : W+29 to W+84				
		Sub Mid Band : A4 to A1 by				
TV / CATV Total Channel		180 Channels	30 10 99			
Intermediate Frequency	Video IF	45.75 MHz				
Intermediate r requericy		41.25 MHz (4.5MHz)				
Color Sub Carrier	Oodila II	3.58 MHz				
Power Input		AC120V, 60Hz				
Power Consumption		215W				
Picture Tube (Visible size)			49 6cm × W: 65 6cm (H: 19-	5/8" × W: 25-7/8")		
High Voltage		80cm (32") (Diagonally), H: 49.6cm × W: 65.6cm (H: 19-5/8" × W: 25-7/8") 32kV(+1kV/-1.3kV) (at zero beam current)				
Speaker		$5 \text{cm} \times 12 \text{cm} (2" \times 4-3/4"), [6.5 \text{cm} \times 13 \text{cm} (2-1/2" \times 5"), \text{ Oval type} \times 2$				
Ореакел		Oval type \times 2	0.56m × 166m (2 m2 × 6),	Ovar type × 2		
Audio Power Output		7.5W + 7.5W	10W + 10W			
Antenna terminal (VHF/UHF	:)	F-type connector, 75Ω unba				
Video / Audio input	Component Video					
[INPUT-1/2/3/4]	[INPUT-1/2]					
,		Y : 1V (p-p) (Sync signal: 0.	35V(p-p), 3-value sync.), 75	Ω		
		Pb/Pr: ±0.35V(p-p), 75 Ω				
	480p / 480i	Y : 1V (p-p), Positive (Negative sync provided), 75 Ω				
		Cb/Cr: ± 0.7 V(p-p), 75 Ω				
		Mini-DIN 4 pin × 3				
	[INPUT-1/3/4]	Y: 1V (p-p), Positive (Negat				
	Video	C: 0.286V (p-p) (Burst signa		nin inak v 4		
		1V (p-p), Positive (Negative 500mV (rms), High impedar		A pin jack × 4		
Digital input	Video/Audio	ocom (mo), riigiriinpedal	HDMI jack × 1			
Digital Input	(Digital)		_	ot compatible with picture		
	(Digital)		signals of computer signal)	iot compatible with picture		
	Audio (Anarog)		RCA pin jack \times 2, 500mV(rm	ns) (-4dBs), high impedance		
Audio output	(RCA pin jack × 2		-, (-== -,,g.,,		
radio odipat	Variable	More than 0 to 1000mV (rms) (+2.2dBs) [AV-32S575 / AV-32S585]				
		500mV(rms), (-4dBs), low impedance (400Hz when modulated 100%)				
Subwoofer output	I	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	RCA pin jack × 1	,		
<u>'</u>		More than 0 to 1000mV (rms) (+2.2dBs),				
			low impedance (100Hz when modulated 100%)			
Center channel input			RCA pin jack × 1, 500mV(rms) (-4dBs), high impedance			
AV compulink III		-	3.5mm mini jack × 1			
Remote Control Unit		RM-C1257G (AA/R6/UM-3	battery × 2)	•		
		·				

Design & specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (♠) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) Use isolation transformer when hot chassis.

The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

- (5) Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

 Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND, the ISOLATED (NEUTRAL): (⅓) side GND and EARTH: (⅓) side GND.

 Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a $10 \text{k}\Omega$ 2W resistor to the anode button.
- (9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

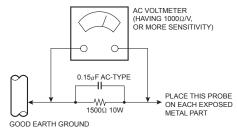
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

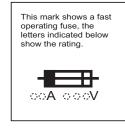
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

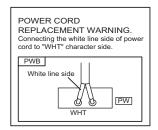
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) High voltage hold down circuit check.

After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly. See item "How to check the high voltage hold down circuit".





SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION [AV-32S585]

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND [AV-32S575 / AV-32S585]

Decreases high sound levels, giving a regulated sound level.

FLAT SQUARE CRT

It became legible from any position by CRT with few reflection and reflect lumps on the flat screen.

DIGITAL COMB FILTER

By the 3D digital comb filter, the refreshed image can be seen.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

 $[STANDARD \leftrightarrow DYNAMIC \leftrightarrow THEATER \leftrightarrow GAME]$

DIGAITAL INPUT [AV-32S575 / AV-32S585]

Digital-in will display when any picture signal (480i/ 480p, 720p/ 1080i) in Digital-in is displayed.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

BBE [AV-32S575 / AV-32S585]

High definition audio adds natural, clear and extraordinary sound quality to any program.

VIDEO INPUT LABEL [AV-32S565 / AV-32S575]

This function is used to label video input connections for the onscreen displays.

A.H.S. [AV-32S575 / AV-32S585]

Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

HYPER SURROUND [AV-32S565]

Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers.

2.2 MAIN DIFFERENCE LIST

Item	AV-32S565	AV-32S575	AV-32S585
FRONT CABINET COLOR	SILVER	←	SILVER / GRAY
POWER LED	GREEN	BLUE	←
BBE	NO	YES	←
SURROUND	HYPER SURROUND	A.H.S	←
SMART SOUND	NO	YES	←
SMART CAPTION	NO	←	YES
CHANNEL LABEL	YES	←	NO
VIDEO INPUT LABEL	YES	←	NO
XDS ID DISPLAY	NO	YES	←
INTERACTIVE PLUG IN MENU	NO	YES	←
CENTER CHANNEL INPUT	NO	YES	←
SUBWOOFER OUTPUT	NO	YES	←
AUDIO OUTPUT	FIX	VARIABLE / FIX	←
DIGITAL INPUT	NO	YES (HDMI)	←
AV COMPULINK III	NO	←	YES

2.3 TECHNICAL INFORMATION

2.3.1 MAIN MICRO COMPUTER (CPU) FUNCTION

Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	BS_RXD	-	Not used	43	P74	-	Not used
2	/MICON_V	I	V. sync for OSD	44	ON_TIM	-	Not used
3	LB_PRO	I	Low B protect detection [Detect: H]	45	SBO0	-	Not used
4	NC	-	Not used	46	SBD0	-	Not used
5	/RST	I	CPU reset [Reset: L]	47	SBT1	I	Use for on board writing [for factory]
6	FORMAT_EDGE	0	NC	48	TS_PC_DET	-	Not used
7	/TEST	0	Operation test for CPU	49	SRQ	-	Not used
8	OSD_YS	I	Ys (blanking) for OSD	50	BS1.5CTL	-	Not used
9	SDA4	I/O	Data for Inter IC control (for DIST)	51	EE_ABL	-	Not used
10	SYNCSEL	0	Not used	52	ABL/ACL	0	ABL/ACL control
11	A_MU	0	Audio muting [Muting: H]	53	CHROMA	I	Not used
12	/MICON_H	0	H. sync for OSD	54	DC_COTL	I	Black level DC reproduce control
13	M_MU	0	NC	55	FMT1	-	Not used
14	OSDXI	0	Keep for OSD oscillation	56	FMT2	-	Not used
15	OSDXO	0	Keep for OSD oscillation	57	AFC_1	I	Sub AFT voltage
16	SDA2	I/O	Data for Inter IC control (for MTS)	58	/LOB_POW	0	Low B power control [Power on: L]
17	AC_IN	I	AC(60Hz) for timer clock	59	COMPLINK	I/O	AV compulink III control
18	SCL2	0	Clock for Inter IC control (for MTS)	60	/POWERGOOD	I	Power condition check
19	TU_POW	-	Not used	61	/MECA_ON	0	Power SW interrupt [Pushing:L]
20	VCOI	I	LPF	62	/MAIN_POW	I	Main power control [Power on: L]
21	PDO	ı	LPF	63	NC	-	Not used
22	/IP_RESET	I	Reset for DIST [Reset: L]	64	/B1_POW	0	B1 power control [Power on: L]
23	OSD_YM	I	YM (transparence) for OSD	65	C/N	I	Main AFT voltage
24	OSD_B	0	Blue for OSD	66	X_RAY_M	I	X-ray protect detection [Protect: 0.7V]
25	POWER_LED	0	Lighting for POWER LED [Lighting: H]	67	EE_CDS	-	Not used
26	OSD_G	0	Green for OSD	68	KEY2	I/O	Key scan for front key (CH+ Vol-/+)
27	OSD_R	0	Red for OSD	69	KEY1	0	Key scan for front key (Menu CH-)
28	VREF	Ι	Reference voltage for OSD	70	SCL1	0	Clock for Inter IC control (for Memory)
29	IP_ERR	I	AMDP program load error detection [Detect: L]	71	SDA1	I/O	Data for Inter IC control (for Memory)
30	IREF	0	Reference current for OSD	72	REMO	I	Remote control [No input: H]
31	COMP	0	Phase adjust for OSD	73	POW_DET	-	Not used
32	AVDD	I	+3.3V	74	VSS	-	GND
33	CLL	0	For low clamp level	75	OSC2	0	System clock oscillation (4MHz)
34	VREFLS	Ι	Reference voltage in for sub CCD	76	OSC1	I	System clock oscillation (4MHz)
35	SUB_CCD	I	Composite video for sub CCD	77	VDD	I	+3.3V
36	NC	-	Not used	78	SCL0	0	Clock for Inter IC control (for Generally)
37	VSS	-	GND	79	VOUTENB	-	Not used
38	MAIN_CCD	0	Composite video for main CCD	80	SDA0	I/O	Data for Inter IC control (for Generally)
39	VREFHS	0	Reference voltage for main CCD	81	P57	-	Not used
40	CLH	0	For high clamp level	82	BS_TXD	-	Not used
41	VDD/VPP	Ι	+3.3V	83	BS_TXD	-	Not used
42	SCL4	0	Clock for Inter IC control (for DIST)	84	P_MUTE	0	Picture muting [Muting: H]

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE [AV-32S565]

3.1.1 REMOVING THE REAR COVER

- · Unplug the power plug.
 - (1) Remove the 14 screws [A] as shown in Fig.2.
 - (2) Remove the REAR COVER toward you.

NOTE:

When reinstalling the REAR COVER, carefully push it inward after inserting the chassis into the REAR COVER groove.

3.1.2 REMOVING THE SPEAKER

- · Remove the REAR COVER.
 - (1) Remove the 2 screws **[C]** as shown in Fig.2, then remove the SPEAKER HOLDER.
 - (2) Remove the 2 screws [D] as shown in Fig.2, then remove the SPEAKER.
 - (3) Follow the same steps when removing the other hand SPEAKER.

3.1.3 REMOVING THE AV TERMINAL BOARD

- · Remove the REAR COVER.
 - (1) Remove the 3 screws [B] as shown in Fig.2.
 - (2) Withdraw the AV TERMINAL BOARD toward you.

3.1.4 REMOVING THE CHASSIS

- · Remove the REAR COVER.
 - (1) Slightly raise the both sides of the CHASSIS by hand and remove the 2 claws under the both sides of the CHASSIS from the front cabinet.
 - (2) Withdraw the CHASSIS backward. (If necessary, remove the wire clamps, connectors etc.)

3.1.5 REMOVING THE CONTROL BASE

- Remove the REAR COVER.
 - Remove the CHASSIS.
 - (1) While pushing down the claws [b] as shown in Fig.1.
 - (2) Remove the CONTROL BASE in the arrow direction marked [c].
 - (If necessary, remove the wire clamps, connectors etc.)

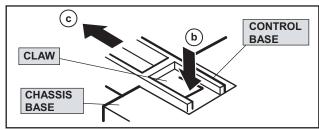


Fig.1

3.1.6 CHECKING THE PW BOARD

- · To check the PW Board from backsid.
 - (1) Pull out the CHASSIS. (Refer to REMOVING THE CHASSIS).
 - (2) Erect the CHASSIS vertically with the HVT side facing up so that you can easily check the back side of the PW Board.

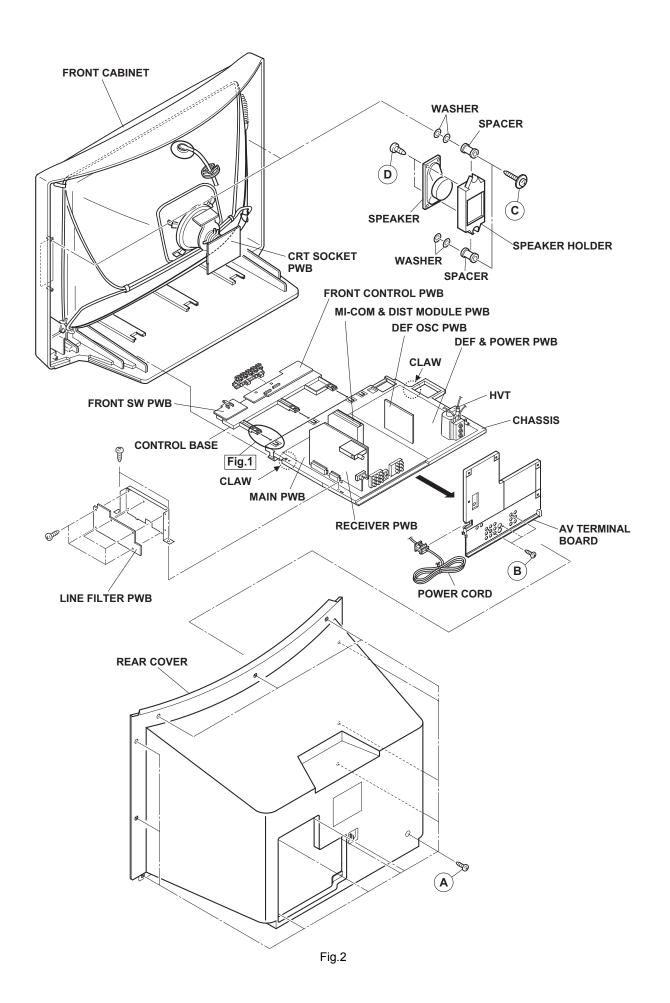
CAUTION:

- When erecting the CHASSIS, be careful so that there will be no contact with other PWB.
- Before turning the power on, make sure that the CRT earth wire and other connectors are properly connected.

3.1.7 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together.

Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



3.2 DISASSEMBLY PROCEDURE [AV-32S575 / AV-32S585]

3.2.1 REMOVING THE REAR COVER

- · Unplug the power plug.
 - (1) Remove the 13 screws [A] as shown in Fig.4.
 - (2) Remove the REAR COVER toward you.

NOTE:

When reinstalling the REAR COVER, carefully push it inward after inserting the chassis into the REAR COVER groove.

3.2.2 REMOVING THE SPEAKER

- Remove the REAR COVER.
 - (1) Remove the 2 screws **[D]** as shown in Fig.4, then remove the SPEAKER toward you.
 - (2) Follow the same steps when removing the other hand SPEAKER.

3.2.3 REMOVING THE AV TERMINAL BOARD

- · Remove the REAR COVER.
 - (1) Remove the 4 screws [B] and 1 screw [C] as shown in Fig.4.
 - (2) Withdraw the AV TERMINAL BOARD toward you.

3.2.4 REMOVING THE CHASSIS

- Remove the REAR COVER.
 - (1) Slightly raise the both sides of the CHASSIS by hand and remove the 2 claws under the both sides of the CHASSIS from the front cabinet.
 - (2) Withdraw the CHASSIS backward. (If necessary, remove the wire clamps, connectors etc.)

3.2.5 REMOVING THE CONTROL BASE

- Remove the REAR COVER.
 Remove the CHASSIS.
 - (1) While pushing down the claws [b] as shown in Fig.3.
 - (2) Remove the CONTROL BASE in the arrow direction marked [c].

(If necessary, remove the wire clamps, connectors etc.)

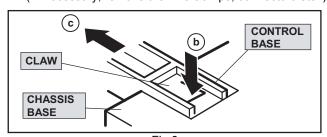


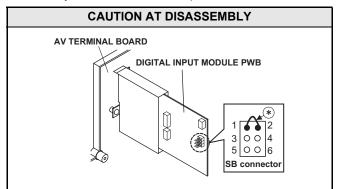
Fig.3

3.2.6 REMOVING THE DIGITAL INPUT MODULE PWB

- Remove the REAR COVER
- · Remove the AV TERMINAL BOARD.
 - (1) Remove the 1 screw [F] and 1 screw [G] as shown in Fig.4.
 - (2) Remove the DIGITAL INPUT MODULE PWB.

NOTE:

If necessary, take off the wire clamps, connectors etc.



- Prior to disassembly, unplug the power plug from the AC outlet without fail. (Turn the power "off".)
- Short the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE PWB. (At the time of assembling)
- Before the rear cover is inserted into the cabinet, release the short-circuit between the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE PWB.
- After releasing the short-circuit between the SB connectors, do not turn the power on until the rear cover is inserted into the cabinet.
- Negligence in carrying out the above steps may cause the inactivation of the TV.

3.2.7 CHECKING THE PW BOARD

- · To check the PW Board from backsid.
 - (1) Pull out the CHASSIS. (Refer to REMOVING THE CHASSIS).
 - (2) Erect the CHASSIS vertically with the HVT side facing up so that you can easily check the back side of the PW Board.

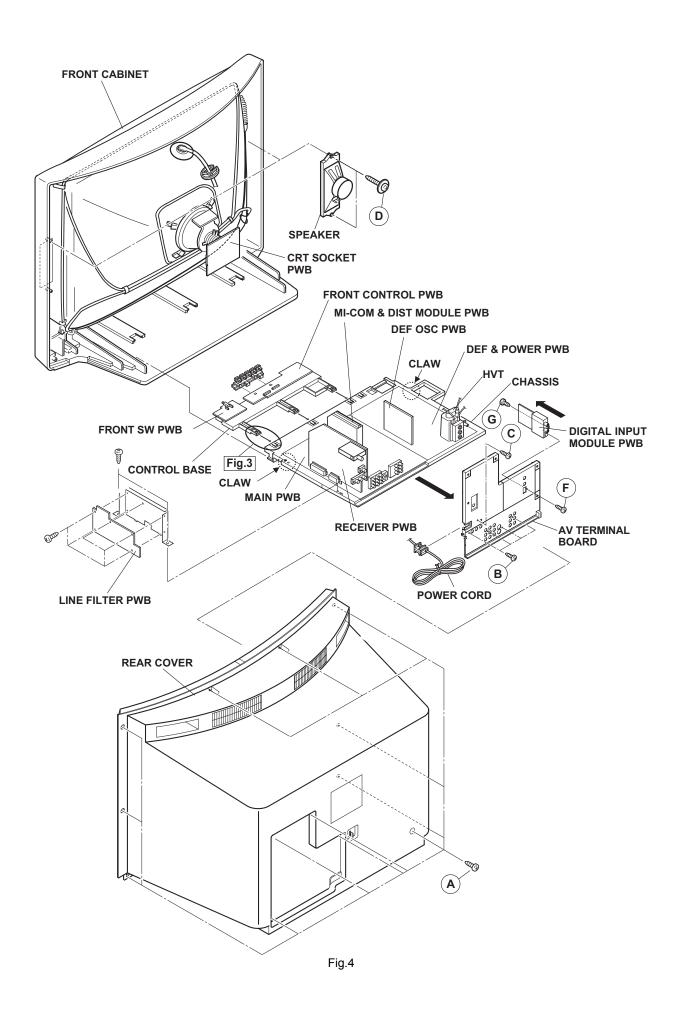
CAUTION:

- When erecting the CHASSIS, be careful so that there will be no contact with other PWB.
- Before turning the power on, make sure that the CRT earth wire and other connectors are properly connected.

3.2.8 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together.

Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



3.2.9 REMOVING THE CRT

NOTE:

- Replacement of the CRT should be performed by 2 or more persons.
- · After removing the REAR COVER, CHASSIS etc.,
- (1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 3).
- (2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 3.
- (3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 4.

NOTE:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 5.

NOTE:

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.



Whenever degaussing works are required due to distorted images and colors caused by the replacement of the CRT or other external magnetic forces, self-degaussing (internal degaussing) should be carried out without fail instead of degaussing the monitor from the outside.

Because of the characteristics of the CRT used in this monitor , the distorted images and colors may worsen if degaussing the monitor from the outside has been performed.

Even if external degaussing works have been carried out, self-degaussing should be performed by turning the power on the monitor.

When you want to perform self-degaussing of the monitor whose power is already turned on, turn of f the power and wait for about 10 minutes before turning the power on the monitor again for self-degaussing.

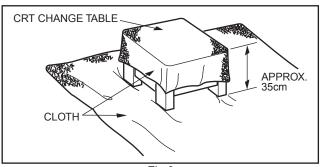


Fig.3

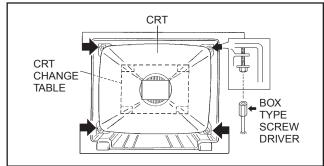
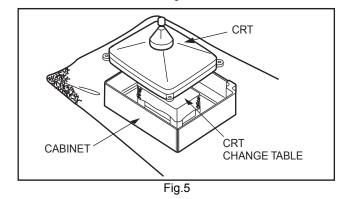


Fig.4



COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismounting them, be sure to coat silicon grease for electrical insulation as shown in Fig.6.Wipe around the anode button with clean and dry cloth. (Fig.6)Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not sticks to the anode button. (Fig.7)

Silicon grease product No. KS - 650N

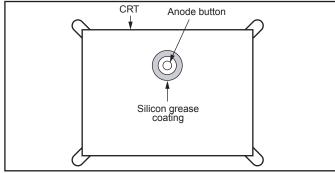


Fig.6

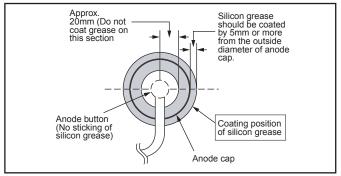


Fig.7

3.3 MEMORY IC REPLACEMENT

- · This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.3.1 MEMORY IC REPLACEMENT PROCEDURE

1. POWER OFF

Switch off the power and disconnect the power plug.

2. REPLACE THE MEMORY IC

Be sure to use the memory IC written with the initial setting values.

3. POWER ON

Connect the power plug to the AC outlet and switch on the power.

4. RECEIVING CHANNEL SETTING

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. USER SETTING

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE SETTING

Verify what to set in the SERVICE MODE, and set whatever is necessary. Refer to the INITIAL SETTING VALUE OF SERVICE MODE.

3.3.2 SERVICE ADJUSTMENT ITEM

SERVICE MODE MAIN MENU

1.PICTURE/SOUND 7.
2.YC SEP 8.IP
3.WHITE BALANCE 9.DSD
4.MEMORY SETUP 0.HDMI
5.RF AFC
6.

Setting items	Settings	Item No.							
1. PICTURE/SOUND (Video / Audio setting)									
Audio circuits (A)	Adjust	A01 to A27							
Video circuits (S)	Adjust	S01 to S99							
Deflection circuits (D)	Adjust	D01 to D32							
Factory setting items (F)	Fixed	F01 to F70							
2. YC SEP (3D YC separation	on setting)	[Do not adjust]							
	Fixed	YCM001 to YCM185							
	Fixed	YCS001 to YCS018							
3.WHITE BALANCE (White	balance a	idjustment)							
	Adjust	BR DRV R DRV B CUT R CUT G CUT B							
4.MEMORY SETUP (Memor	ry data ed	it) [Do not adjust]							
5.RF AFC (AFC setting) [Do	not adju	st]							
	Fixed								
8.IP (DIST processing setting	g) [Do no	t adjust]							
	Fixed	IPA001 to IPA042							
9.DSD (Digital super detail s	etting) [De	o not adjust]							
	Fixed	DSA001 to DSA053							
	Fixed	DSB001 to DSB053							
	Fixed	DSC001 to DSC044							
	Fixed	DSD001 to DSD017							
0.HDMI (Digital input proces	sing settin	g) [Do not adjust]							
	Fixed	HDM001 to HDM080							
	Fixed	RHD001 to RHD170							

3.3.3 SETTINGS OF FACTORY SHIPMENT

3.3.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10

3.3.3.2 REMOTE CONTROL DIRECT OPERATION

	Setting item	Setting position			
INPUT		TV			
CHANN	ΞL	CABLE-02			
VOLUM	∃ (Normal)	10			
VOLUM	E (Center CH in mode)	10 [AV-32S575/AV-32S585]			
MUTING	;	OFF			
DISPLA'	Y	OFF			
ASPECT	-	4:3			
OFF TIM	1ER	OFF			
THEATE	R PRO	OFF			
VIDEO S	STATUS	DYNAMIC			
CLOSE	CAPTION	OFF			
SOUND	A.H.S	OFF [AV-32S575/AV-32S585]			
	HYPER SORROUND	OFF [AV-32S565]			
	BBE	ON [AV-32S575/AV-32S585]			
SMART SOUND		OFF [AV-32S575/AV-32S585]			
PIP SELECT (SAUCE)		VIDEO 1			
	TWIN (POSITION)	Left bottom			

3.3.3.3 REMOTE CONTROL MENU OPERATION

1. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00
MTS	STEREO

2. CLOCK / TIMERS

Setting item	Setting position
SET CLOCK	OFF
ON / OFF TIMER	OFF

3. INITIAL SETUP

Setting item	Setting position
DIGITAL-IN	SIZE 1 [AV-32S575/AV-32S585]
DIGITAL-AUDIO	DIGITAL [AV-32S575/AV-32S585]
CENTER CH INPUT	OFF [AV-32S575/AV-32S585]
AUDIO OUT	FIX [AV-32S575/AV-32S585]
TV SPEAKER	ON
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF [AV-32S575/AV-32S585]
VIDEO INPUT LABEL	All blank [AV-32S575/AV-32S585]
LANGUAGE	ENG.
CLOSED CAPTION	OFF (CC1,T1)
AUTO SHUT OFF	OFF
TILT CORRECTION	Center
V-CHIP	OFF
XDS ID	ON [AV-32S575/AV-32S585]
AUTO DEMO	OFF

4. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below. < NTSC MODE >

Setting item	PICTURE	BRIGHT	COLOR	TINT	DETAIL	COLOR TEMPERATURE	DIG. NOISE CLEAR	VSM
STANDARD	00	00	00	00	00	LOW	OFF	ON
DINAMIC	+30	00	00	00	+03	HIGH	OFF	ON
THEATER	-10	00	00	00	00	HIGH	OFF	ON
GAME	00	00	00	00	0	HIGH	OFF	ON

< HD MODE >

Setting item	PICTURE	BRIGHT	COLOR	TINT	DETAIL	COLOR TEMPERATURE	DIG. NOISE CLEAR	VSM
STANDARD	00	00	00	00	00	LOW	OFF	ON
DINAMIC	+30	00	00	00	00	HIGH	OFF	ON
THEATER	-10	00	00	00	00	LOW	OFF	ON
GAME	00	00	00	00	00	HIGH	OFF	ON

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

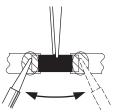
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



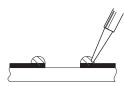
NOTE:

After removing the part, remove remaining solder from the pattern.

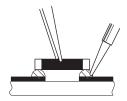
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

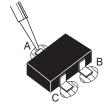


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

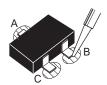


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

ltem	Preset value
VIDEO STATUS	STANDARD
TINT, COLOR, PICTURE, BRIGHT, DETAIL	Center (00)
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
NATURAL CINEMA	AUTO
BASS, TREBLE, BALANCE	Center (00)
A.H.S [AV-32S575/AV-32S585]	OFF
HYPER SORROUND [AV-32S565]	OFF
BBE	ON
AUDIO OUT [AV-32S575/AV-32S585]	FIX
ASPECT	4:3

4.3 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or digital voltmeter)
- Oscilloscope
- Frequency counter
- Signal generator (Pattern generator)
 [NTSC (480i) / 480p / 720p / 1080i / DIGITAL]
- · TV audio multiplex signal generator
- · Remote control unit

4.4 ADJUSTMENT ITEMS

■ CHECK ITEM

- B1 VOLTAGE check
- HIGH VOLTAGE HOLD DOWN CIRCUIT check

■ FOCUS

· FOCUS adjustment

■ HORIZONTAL FREQUENCY

· H. FREQUENCY adjustment

■ DEFLECTION CIRCUIT

- · V. POSITION / V. SIZE / V. LINEARITY adjustment
- H. POSITION / H. SIZE / SIDE PIN / TRAPEZIUM adjustment

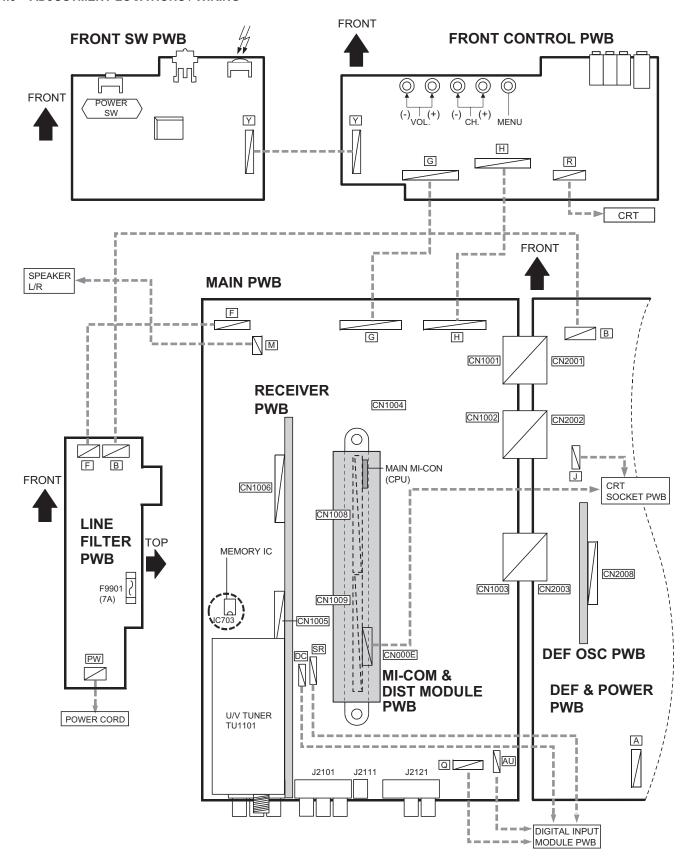
■ VIDEO CIRCUIT

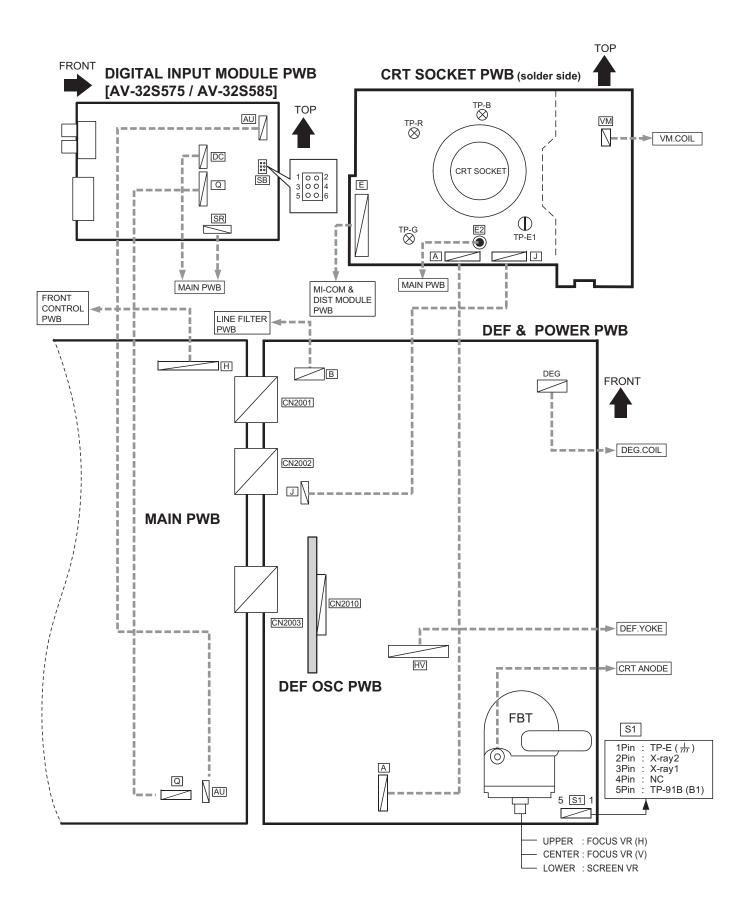
- WHITE BALANCE(High Light & Low Light) adjustment
- · SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOR / SUB TINT / B-Y GAIN (1) adjustment
- SUB COLOR / SUB TINT / B-Y GAIN (2) adjustment

■ MTS CIRCUIT

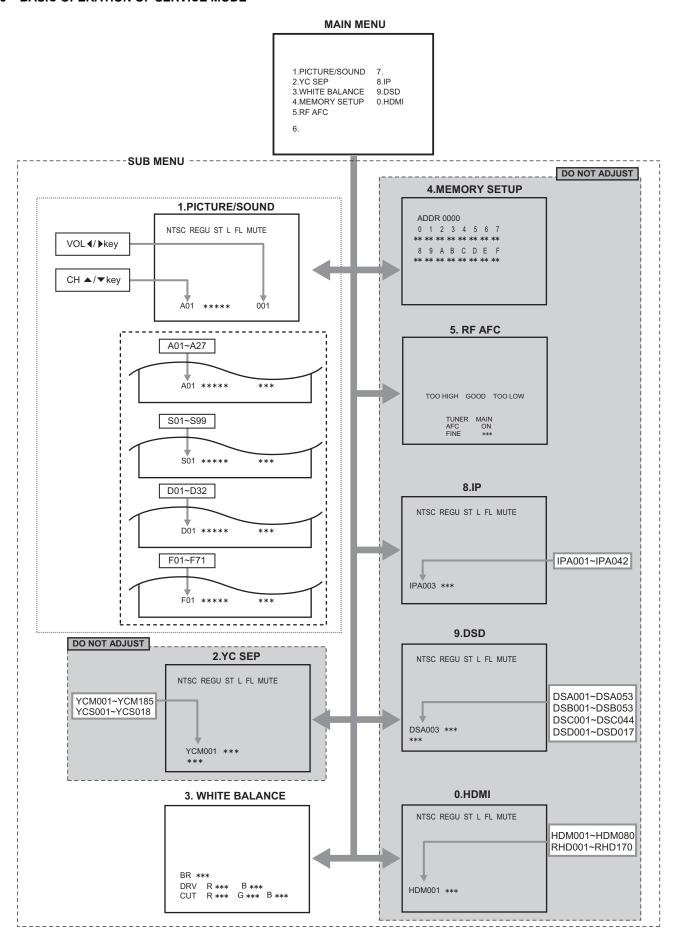
- · MTS INPUT LEVEL adjustment
- · MTS SEPARATION adjustment

4.5 ADJUSTMENT LOCATIONS / WIRING





4.6 BASIC OPERATION OF SERVICE MODE



4.6.1 TOOL OF SERVICE MODE OPERATION

Operate the SERVICE MODE with the REMOTE CONTROL UNIT.

4.6.2 SERVICE MODE ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MODE.

1.PICTURE/SOUND	This sets the setting values of the Video / Audio / Defrection circuits.
2.YC SEP	This is used when the YC separation circuit is adjusted. [Do not adjust]
3.WHITE BALANCE	This sets the setting values of the WHITE BALANCE.
4.MEMORY SETUP	This sets the setting values of the MEMORY ADDRESS. [Do not adjust]
5.RF AFC	This is used when the IF VCO is adjusted. [Do not adjust]
8.IP	This sets the setting value of the DIST circuit. [Do not adjust]
9.DSD	This sets the setting value of the DSD (Digital super detail) circuit. [Do not adjust]
0.HDMI	This sets the setting value of the Digital input circuit. [Do not adjust].

4.6.3 HOW TO ENTER THE SERVICE MODE

- (1) Set the SLLEP TIMER to 0 minutes using the [SLEEP TIMER] key.
- (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE mode.
- (3) When the main menu is displayed, press any key of the [0] to [9] key to enter the corresponding sub menu mode.

NOTE:

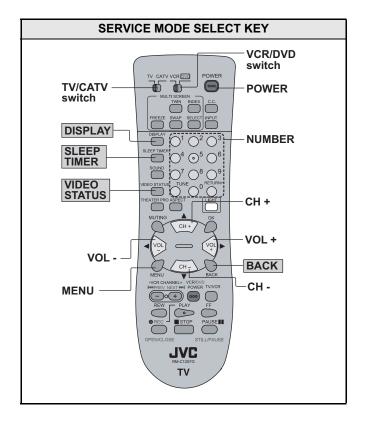
Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

4.6.4 HOW TO STORE OF SETTING VALUE

When adjustment is completed, press the [MUTING] key to memorize the adjustment value. If not to do it, adjustment data is not memorized to the memory IC. And if exit the adjustment mode before memorize the data, the adjustment value which you change is canceled.

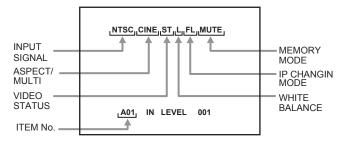
4.6.5 HOW TO EXIT THE SERVICE MODE

Press the [BACK] key to exit the SERVICE MODE.



4.6.6 DESCRIPTION OF STATUS DISPLAY

The status display on the upper part of the SERVICE MODE screen is common (to all models).



(1) INPUT SIGNAL

NTSC: Composite, S-video (Y / C), RF, No signal.

DVD : 480i (component)

ED : 480p HD : 1080i 750p : 720p

HDVD : DIGITAL 480i

HED1 : DIGITAL 480p SIZE1 HED2 : DIGITAL 480p SIZE2 HHD : DIGITAL 1080i H750 : DIGITAL 720p

(2) ASPECT / MULTI

SINGLE SCREEN

REGU : 4 : 3 screen mode

FULL : 16 : 9 screen mode

PANO : V STRETCH screen mode

MULTI SCREEN

M12 : Index screen mode

(3) VIDEO STATUS

ST : STANDARD
DA : DYNAMIC
TH : THEATER
GA : GAME

(4) WHITE BALANCE

H : HIGH L : LOW

(5) IP CHANGING MODE

FL: FRAME LI: LINE

23 : COMPULSORY NATURAL CINEMA IN

(6) MEMORY MODE

MUTE: Press [MUTING] key

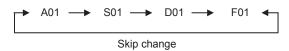
DIR : Store the data to the memory at the same time.

4.6.7 SERVICE MODE SETTING

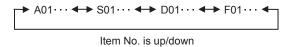
1. PICTURE / SOUND

Audio, video and defrection circuit adjustment.

 Press [SLEEP TIMER] key For skip the adjustment item.



Press [CH+] / [CH-] key
 For scrolling up/down the adjustment item.



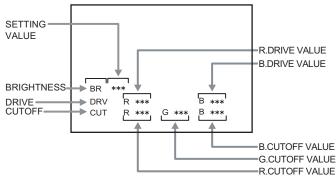
Press [VOL+] / [VOL-] key
 For scrolling up/down the data values.

Press [MUTING] key
 For memorize the data values.

3. WHITE BALANCE

White balance data adjustment.

3. WHITE BALANCE



DRIVE

[2] key : DRIVE R is up
[5] key : DRIVE R is down
[3] key : DRIVE B is up
[6] key : DRIVE R is down

CUTOFF

[7] key : CUTOFF G is up
[TUNE] key : CUTOFF G is down
[8] key : CUTOFF R is up
[0] key : CUTOFF R is down
[9] key : CUTOFF B is up
[RETURN+] key : CUTOFF B is down

4.7 INITIAL SETTING VALUE OF SERVICE MODE

- (1) Adjustment of the SERVICE MODE is made on the basis of the initial setting values. however, the new setting values which displays on the screen in its optimum condition may differ from the initial setting value.
- (2) Do not change the initial setting values of the items not listed in "ADJUSTMENT PROCEDURE".
- (3) "---" is impossible to adjust.

4.7.1 [1.PICTURE/SOUND]

Item No.	Item	Variable range	Setting value
A01	IN LEVEL	000 to 015	008
A02	LOW SEP	000 to 063	035
A03	HI SEP	000 to 015	020
A04	BBE BASS	-128 to +127	+006
A05	BBE TRE	-128 to +127	+006
A06	SURROUND	000 to 001	000
A07	BASS OFS	-128 to +127	000
A08	TRE OFS	-128 to +127	+006 [AV-32S565] -002 [AV-32S575] -002 [AV-32S585]
A09	AHS MVE	-128 to +127	000
A10	AHS MSC	-128 to +127	000
A11	(Not display)	000 to 001	000
A12	(Not display)	000 to 001	000
A13	(Not display)	000 to 001	000
A14	(Not display)	000 to 001	000
A15	(Not display)	000 to 001	000
A16	(Not display)	000 to 001	000
A17	(Not display)	000 to 001	000
A18	(Not display)	000 to 001	000
A19	(Not display)	000 to 001	000
A20	(Not display)	000 to 001	000
A21	(Not display)	000 to 001	000
A22	(Not display)	000 to 001	000
A23	(Not display)	000 to 001	000
A24	(Not display)	000 to 001	000
A25	(Not display)	000 to 001	000
A26	(Not display)	000 to 001	000
A27	(Not display)	000 to 001	000

Item	lt a ma	Variable	Setting	g value
No.	Item	range	4:3	16:9
D01	V.SIZE	000 to 127	088	048
D02	EW	000 to 063	015	014
D03	H.SIZE	000 to 063	056	051
D04	V.SCORE	000 to 063	028	027
D05	V.LINE	000 to 063	035	036
D06	V.CENT	000 to 063	030	030
D07	EW.TRAP	000 to 063	030	029
D08	BOT.CORN	000 to 015	010	009
D09	TOP.CORN	000 to 015	009	009
D10	V EHT	000 to 007	003	003
D11	H EHT	000 to 007	002	001
D12	(Not display)	000 to 007	005	005
D13	(Not display)	000 to 015	000	000
D14	H.CENTER	000 to 255	152	152
D15	H.FREQ 000 to 255		194	194
D16	(Not display)	000 to 127	070	070
D17	(Not display)	000 to 003	000	000
D18	(Not display)	000 to 001	000	000
D19	(Not display)	000 to 001	000	000
D20	(Not display)	000 to 001	000	000
D21	(Not display)	000 to 001	000	000
D22	(Not display)	000 to 001	000	000
D23	(Not display)	000 to 001	000	000
D24	(Not display)	000 to 001	000	000
D25	(Not display)	000 to 001	000	000
D26	(Not display)	000 to 001	000	000
D27	(Not display)	000 to 001	000	000
D28	(Not display)	000 to 001	000	000
D29	(Not display)	000 to 001	000	000
D30	(Not display)	000 to 001	000	000
D31	(Not display)	000 to 001	000	000
D32	(Not display)	000 to 001	000	000

.,	ltem	Variable range		Setting value								
Item No.			NTSC		480i		480p		720p / 1080i			
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER		
S01	COLOR	000 to 255	074	084	079	081	083	082	069	073		
S02	TINT	000 to 255	071	070	067	068	065	070	077	065		

			Setting value								
Item	Item	Variable	NTSC					480i /	480p		
No.	rang	range	4:3		16 : 9		4:3		16 : 9		
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	
S03	BRIGHT	000 to 255	126	124			125	125			
S04	CONTRAST	000 to 127	086	041			084	042			

			Setting value					
Item	Item	Variable	720p/ 1080i					
No.	item	range	4 :	3	16 : 9			
			STANDARD	THEATER	STANDARD	THEATER		
S03	BRIGHT	000 to 255			123	124		
S04	CONTRAST	000 to 127			079	042		

.,		range		Setting value								
Item No.	Item		NTSC		48	80i	480p		720p / 1080i			
110.			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER		
S05	O MTX SW	000 to 003	000	000	000	000	000	000	000	000		
S06	INPUT SW	000 to 003	001	001	001	001	001	001	000	000		
S07	B-Y	000 to 063	016	019	014	020	011	016	012	020		
S08	R-Y	000 to 015	007	000	007	002	007	002	007	003		
S09	G-YMATRI	000 to 003	002	003	001	003	001	003	002	002		

			Setting value								
Item No.	Item	Variable		NTSC				48	30i		
	item	range	STAN	DARD	THE	ATER	STAN	DARD	THE	THEATER	
			HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	
S10	DRIVE R	000 to 255		149		-		146			
S11	(Not display)	-128 to 127	+006		+011	+018	+011		+010	+016	
S12	DRIVE B	000 to 255		144				156			
S13	(Not display)	-128 to 127	+005		-011	-24	+011		-017	-032	

	Item	m Variable range	Setting value								
Item				48	0p			720p /	1080i		
No.	item		STAN	DARD	THE	THEATER		DARD	THEATER		
			HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	
S10	DRIVE R	000 to 255		_	_	_		146			
S11	(Not display)	-128 to +127	-004	+001	+011	+014	+006		+012	+016	
S12	DRIVE B	000 to 255	_				_	146		_	
S13	(Not display)	-128 to +127	-003	-009	-021	-034	+007	_	-014	-031	

14		Mariable		Setting value								
Item No.	ltem	m Variable range	NT	sc	480i /	480p	720p / 1080i					
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER				
S14	CUTOFF R	000 to 255	227		227		227					
S15	(Not display)	-128 to +127		-004		-006		-007				
S16	CUTOFF G	000 to 255	227		227		227					
S17	(Not display)	-128 to +127		-003		+001		-004				
S18	CUTOFF B	000 to 255	227		227		227					
S19	(Not display)	-128 to +127		+007		+001		+007				
S20	CUTOFSWR	000 to 003	001		001		001					
S21	CUTOFSWG	000 to 003	001		001		001					
S22	CUTOFSWB	000 to 003	001		001		001					

Ī				Setting value							
	Item No.	ltem	Variable range	NTSC STANDARD THEATER		480)i	OTHERS			
			•			STANDARD	THEATER	STANDARD	THEATER		
Ī	S23	DC CTL	000 to 255	255	000	000	000	000	000		

Item No.	Item	Variable range	Setting value
S24	RGBLIMIT	000 to 015	000

Item	Item	Variable		Setting value	
No.	iteiii	range	NTSC	480i	OTHERS
S25	BL STRT	000 to 015	015	013	014
S26	BL GAIN	000 to 015	004	002	004
S27	YGM LVL	000 to 015	003	007	008
S28	YGM GAIN	000 to 015	015	015	015
S29	YWD STRT	000 to 015	000	001	001
S30	YWD GAIN	000 to 015	005	004	005

		.,	Setting value							
Item No.	Item	Variable range	NT	NTSC		Di	480	p	720p /	1080i
		· ago	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S31	COL OFST	000 to 255								
S32	TNT OFST	000 to 255								

	Item	range	Setting value							
Item			NTSC			480i / 480p				
No.			4:3		16 : 9		4:3		16 : 9	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S33	BRT OFST	-128 to +127			000	000			000	000
S34	CNT OFST	-128 to +127			-008	-004			-008	-004

			Setting value					
	Item	.,		720p / 1080i				
Item No.		Variable range	4:3 (HD ZOOM)		16	: 9		
110.			STANDARD	THEATER	STANDARD	THEATER		
S33	BRT OFST	-128 to +127	000	000				
S34	CNT OFST	-128 to +127	+008	+004				

Item	ltem Variable		Setting value		
No.	item	range	STANDARD	THEATER	
S35	DCTRN SW	000 to 001	000	001	
S36	BL OFF	000 to 001	000	001	
S37	YGM OFF	000 to 001	000	001	
S38	ABL OFF	000 to 001	000	000	
S39	ACL OFF	000 to 001	000	000	

Item No.	Item	Variable range	Seeting value
S40	BLCNT LK	000 to 001	000
S41	YGCNT LK	000 to 001	000
S42	DCTRN PL	000 to 001	000
S43	ABL GAIN	000 to 015	015
S44	ABL STRT	000 to 015	015
S45	ACL GAIN	000 to 015	015
S46	ACL STRT	000 to 015	000

Ī	Item	Itom	Variable		Setting	y value	
	No.	No. Item range STAN		STANDARD	DYNAMIC	THEATER	GAME
	S47	ACL EERG	000 to 255	255	255	255	255

Item No.	Setting item	Variable range	Setting value
S48	CHRM GM	000 to 255	255
S49	OSDR DC	000 to 127	064
S50	OSDB DC	000 to 127	064
S51	BLK OFF	000 to 001	000

Item	Item	Variable	Setting value		
No.	item	range	STANDARD	THEATER	
S52	CNT UNDR	-128 to +127	-041	-027	
S53	CNT UPPR	-128 to +127	+015	+015	
S54	BRT UNDR	-128 to +127	-017	-017	

Item No.	Setting item	Variable range	Setting value
S55	EETH BRT	-128 to +127	000
S56	EETH CNT	-128 to +127	000
S57	BREE CNT	000 to 031	800
S58	DKEE CNT	000 to 031	015
S59	DREE BRT	000 to 127	004
S60	BREE ACL	000 to 255	093
S61	DKEE ACL	000 to 255	108
S62	VMOFF DE	-128 to +127	+002
S63	VM LOW	-128 to +127	-020
S64	VM MID	-128 to +127	-010
S65	VM HIGH	-128 to +127	+010
S66	VM L-	-128 to +127	-022
S67	VM LH	-128 to +127	-019
S68	VM MH	-128 to +127	-016
S69	VM M+	-128 to +127	000
S70	(Not display)	000 to 001	000
S71	(Not display)	000 to 001	000
S72	(Not display)	000 to 001	000
S73	(Not display)	000 to 001	000
S74	(Not display)	000 to 001	000
S75	(Not display)	000 to 001	000
S76	(Not display)	000 to 001	000
S77	(Not display)	000 to 001	000
S78	(Not display)	000 to 001	000
S79	(Not display)	000 to 001	000
S80	(Not display)	000 to 001	000
S81	(Not display)	000 to 001	000
S82	(Not display)	000 to 001	000
S83	(Not display)	000 to 001	000
S84	(Not display)	000 to 001	000
S85	(Not display)	000 to 001	000
S86	(Not display)	000 to 001	000
S87	(Not display)	000 to 001	000
S88	(Not display)	000 to 001	000
S89	(Not display)	000 to 001	000
S90	(Not display)	000 to 001	000
S91	(Not display)	000 to 001	000
S92	(Not display)	000 to 001	000
S93	(Not display)	000 to 001	000
S94	(Not display)	000 to 001	000
S95	(Not display)	000 to 001	000
S96	(Not display)	000 to 001	000
S97	(Not display)	000 to 001	000
S98	(Not display)	000 to 001	000
S99	(Not display)	000 to 001	000

Item No.	Setting item	Variable range	Setting value
F01	E 1	000 to 255	
F02	E 2	000 to 255	
F03	(Not display)	000 to 255	127
F04	CATVMAX	000 to 001	001
F05	(Not display)	000 to 255	048 [AV-32S565] 242 [AV-32S575] 202 [AV-32S585]
F06	(Not display)	000 to 255	010 [AV-32S565] 122 [AV-32S575] 122 [AV-32S585]
F07	(Not display)	000 to 255	003 [AV-32S565] 015 [AV-32S575] 015 [AV-32S585]
F08	(Not display)	000 to 255	000
F09	AUTOSCR 1	000 to 015	000
F10	AUTOSCR 2	000 to 015	000
F11	AUTOSCR 3	000 to 015	000
F12	AUTOSCR 4	000 to 015	000
F13	AUTOSCR 5	000 to 015	000
F14	AUTOSCR 6	000 to 015	000
F15	AUTOSCR 7	000 to 015	000
F16	(Not display)	000 to 127	070
F17	(Not display)	000 to 001	000
F18	FIX DATA	000 to 001	000
F19	(Not display)	000 to 001	000
F20 F21	(Not display)	000 to 255	005
F21	(Not display) (Not display)	000 to 255 000 to 001	002 000
F23	(Not display)	000 to 001	000
F24	(Not display)	000 to 255	141
F25	(Not display)	000 to 255	006
F26	(Not display)	000 to 255	040
F27	(Not display)	000 to 255	040
F28	(Not display)	000 to 200	000
F29	(Not display)	000 to 001	000
F30	(Not display)	000 to 001	000
F31	(Not display)	000 to 001	000
F32	ATT V	000 to 001	000
F33	ATT U	000 to 001	000
F34	ATT C	000 to 001	000
F35	(Not display)	000 to 001	000
F36	(Not display)	000 to 001	000
F37	(Not display)	000 to 001	000
F38	DC1	000 to 001	000
F39	DC4	000 to 001	000
F40	DC5	000 to 001	000
F41	SS LV	000 to 003	000

Item No.	Setting item	Variable range	Setting value
F42	SS CP	000 to 001	000
F43	SS HDP	000 to 063	039
F44	(Not display)	000 to 001	000
F45	(Not display)	000 to 001	000
F46	(Not display)	000 to 001	000
F47	(Not display)	000 to 001	000
F48	(Not display)	000 to 001	000
F49	(Not display)	000 to 001	001
F50	(Not display)	000 to 001	001
F51	(Not display)	000 to 015	011
F52	(Not display)	000 to 063	040
F53	(Not display)	-128 to +127	000
F54	(Not display)	000 to 255	030
F55	(Not display)	000 to 255	000
F56	(Not display)	000 to 255	188
F57	(Not display)	000 to 255	105
F58	(Not display)	000 to 255	077
F59	(Not display)	000 to 001	001
F60	(Not display)	000 to 001	127
F61	(Not display)	000 to 001	000 [AV-32S565] 001 [AV-32S575] 001 [AV-32S585]
F62	(Not display)	000 to 001	000
F63	(Not display)	-128 to +127	+001
F64	(Not display)	-128 to +127	-001
F65	(Not display)	-128 to +127	+010
F66	(Not display)	000 to 007	000
F67	(Not display)	000 to 003	002
F68	(Not display)	000 to 255	126
F69	(Not display)	000 to 001	000 [AV-32S565] 001 [AV-32S575] 001 [AV-32S585]
F70	(Not display)	000 to 001	000

4.7.2 [2.YC SEP] (*All the values are fixed values)

NOTE

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : 4:3
MULTI-SCREEN : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
YCM001	(Not display)	000 to 001	000
YCM002	(Not display)	000 to 001	000
YCM003	(Not display)	000 to 001	000
YCM004	(Not display)	000 to 003	001
YCM005	(Not display)	000 to 255	239
YCM006	(Not display)	000 to 003	001
YCM007	(Not display)	000 to 255	239
YCM008	(Not display)	000 to 001	000
YCM009	(Not display)	000 to 003	000
YCM010	(Not display)	000 to 001	000
YCM011	(Not display)	000 to 001	000
YCM012	(Not display)	000 to 001	000
YCM013	(Not display)	000 to 001	000
YCM014	(Not display)	000 to 003	000
YCM015	(Not display)	000 to 001	000
YCM016	(Not display)	000 to 003	001
YCM017	(Not display)	000 to 001	001
YCM018	(Not display)	000 to 003	000
YCM019	(Not display)	000 to 001	000
YCM020	(Not display)	000 to 001	000
YCM021	(Not display)	000 to 003	002
YCM022	(Not display)	000 to 007	004
YCM023	(Not display)	000 to 001	001
YCM024	(Not display)	000 to 001	000
YCM025	(Not display)	000 to 007	005
YCM026	(Not display)	000 to 015	003
YCM027	(Not display)	000 to 003	000
YCM028	(Not display)	000 to 007	003
YCM029	(Not display)	000 to 007	002
YCM030	(Not display)	000 to 003	001
YCM031	(Not display)	000 to 001	000
YCM032	(Not display)	000 to 003	003
YCM033	(Not display)	000 to 001	001
YCM034	(Not display)	000 to 001	000
YCM035	(Not display)	000 to 255	096
YCM036	(Not display)	000 to 001	001
YCM037	(Not display)	000 to 003	001
YCM038	(Not display)	000 to 127	062
YCM039	(Not display)	000 to 127	073

Item No.	Item name	Variable range	Setting value
YCM040	(Not display)	000 to 003	002
YCM041	(Not display)	000 to 063	016
YCM042	(Not display)	000 to 001	000
YCM043	(Not display)	000 to 001	000
YCM044	(Not display)	000 to 255	241
YCM045	(Not display)	000 to 001	000
YCM046	(Not display)	000 to 255	165
YCM047	(Not display)	000 to 001	001
YCM048	(Not display)	000 to 001	001
YCM049	(Not display)	000 to 001	001
YCM050	(Not display)	000 to 001	001
YCM051	(Not display)	000 to 001	001
YCM052	(Not display)	000 to 001	000
YCM053	(Not display)	000 to 001	001
YCM054	(Not display)	000 to 003	003
YCM055	(Not display)	000 to 003	003
YCM056	(Not display)	000 to 003	000
YCM057	(Not display)	000 to 001	000
YCM058	(Not display)	000 to 001	001
YCM059	(Not display)	000 to 001	001
YCM060	(Not display)	000 to 001	000
YCM061	(Not display)	000 to 001	001
YCM062	(Not display)	000 to 015	001
YCM063	(Not display)	000 to 015	004
YCM064	(Not display)	000 to 001	000
YCM065	(Not display)	000 to 063	060
YCM066	(Not display)	000 to 063	040
YCM067	(Not display)	000 to 063	025
YCM068	(Not display)	000 to 063	012
YCM069	(Not display)	000 to 063	036
YCM070	(Not display)	000 to 063	031
YCM071	(Not display)	000 to 127	031
YCM072	(Not display)	000 to 001	001
YCM073	(Not display)	000 to 001	001
YCM074	(Not display)	000 to 063	024
YCM075	(Not display)	000 to 001	000
YCM076	(Not display)	000 to 001	001
YCM077	(Not display)	000 to 063	010
YCM078	(Not display)	000 to 063	001
YCM079	(Not display)	000 to 255	000
YCM080	(Not display)	000 to 255	000
YCM081	(Not display)	000 to 255	000
YCM082	(Not display)	000 to 255	000
YCM083	(Not display)	000 to 001	001
YCM084	(Not display)	000 to 063	012

Item No.	Item name	Variable range	Setting value
YCM085	(Not display)	000 to 001	000
YCM086	(Not display)	000 to 001	000
YCM087	(Not display)	000 to 063	028
YCM088	(Not display)	000 to 001	001
YCM089	(Not display)	000 to 031	000
YCM090	(Not display)	000 to 003	000
YCM091	(Not display)	000 to 015	000
YCM092	(Not display)	000 to 015	000
YCM093	(Not display)	000 to 015	002
YCM094	(Not display)	000 to 063	000
YCM095	(Not display)	000 to 255	035
YCM096	(Not display)	000 to 001	001
YCM097	(Not display)	000 to 063	063
YCM098	(Not display)	000 to 015	800
YCM099	(Not display)	000 to 015	005
YCM100	(Not display)	000 to 015	800
YCM101	(Not display)	000 to 015	005
YCM102	(Not display)	000 to 015	000
YCM103	(Not display)	000 to 015	002
YCM104	(Not display)	000 to 015	800
YCM105	(Not display)	000 to 015	006
YCM106	(Not display)	000 to 255	010
YCM107	(Not display)	000 to 255	032
YCM108	(Not display)	000 to 255	031
YCM109	(Not display)	000 to 255	064
YCM110	(Not display)	000 to 001	000
YCM111	(Not display)	000 to 001	001
YCM112	(Not display)	000 to 001	001
YCM113	(Not display)	000 to 001	001
YCM114	(Not display)	000 to 001	000
YCM115	(Not display)	000 to 001	001
YCM116	(Not display)	000 to 001	000
YCM117	(Not display)	000 to 001	000
YCM118	(Not display)	000 to 001	001
YCM119	(Not display)	000 to 001	000
YCM120	(Not display)	000 to 001	000
YCM121	(Not display)	000 to 003	003
YCM122	(Not display)	000 to 001	000
YCM123	(Not display)	000 to 255	026
YCM124	(Not display)	000 to 001	000
YCM125	(Not display)	000 to 255	025
YCM126	(Not display)	000 to 001	000
YCM127	(Not display)	000 to 001	001
YCM128	(Not display)	000 to 001	001
YCM129	(Not display)	000 to 001	001

Item No.	Item name	Variable range	Setting value
YCM130	(Not display)	000 to 003	001
YCM131	(Not display)	000 to 255	050
YCM132	(Not display)	000 to 255	154
YCM133	(Not display)	000 to 255	055
YCM134	(Not display)	000 to 007	001
YCM135	(Not display)	000 to 255	136
YCM136	(Not display)	000 to 001	000
YCM137	(Not display)	000 to 001	001
YCM138	(Not display)	000 to 007	003
YCM139	(Not display)	000 to 255	089
YCM140	(Not display)	000 to 007	000
YCM141	(Not display)	000 to 255	252
YCM142	(Not display)	000 to 001	001
YCM143	(Not display)	000 to 007	005
YCM144	(Not display)	000 to 255	128
YCM145	(Not display)	000 to 001	000
YCM146	(Not display)	000 to 001	001
YCM147	(Not display)	000 to 001	001
YCM148	(Not display)	000 to 001	001
YCM149	(Not display)	000 to 001	000
YCM150	(Not display)	000 to 001	000
YCM151	(Not display)	000 to 255	136
YCM152	(Not display)	000 to 001	001
YCM153	(Not display)	000 to 001	001
YCM154	(Not display)	000 to 001	001
YCM155	(Not display)	000 to 003	000
YCM156	(Not display)	000 to 015	015
YCM157	(Not display)	000 to 015	004
YCM158	(Not display)	000 to 001	001
YCM159	(Not display)	000 to 127	004
YCM160	(Not display)	000 to 001	000
YCM161	(Not display)	000 to 031	000
YCM162	(Not display)	000 to 001	000
YCM163	(Not display)	000 to 015	003
YCM164	(Not display)	000 to 007	002
YCM165	(Not display)	000 to 031	016
YCM166	(Not display)	000 to 255	235
YCM167	(Not display)	000 to 003	000
YCM168	(Not display)	000 to 063	000
YCM169	(Not display)	000 to 015	003
YCM170	(Not display)	000 to 015	003
YCM171	(Not display)	000 to 007	000
YCM172	(Not display)	000 to 255	096
YCM173	(Not display)	000 to 007	003
YCM174	(Not display)	000 to 255	056

Item No.	Item name	Variable range	Setting value
YCM175	(Not display)	000 to 001	000
YCM176	(Not display)	000 to 001	000
YCM177	(Not display)	000 to 255	022
YCM178	(Not display)	000 to 001	001
YCM179	(Not display)	000 to 001	000
YCM180	(Not display)	000 to 007	004
YCM181	(Not display)	000 to 063	001
YCM182	(Not display)	000 to 003	001
YCM183	(Not display)	000 to 003	001
YCM184	(Not display)	000 to 003	001
YCM185	(Not display)	000 to 255	000

Item No.	Item name	Variable range	Setting value
YCS001	(Not display)	000 to 063	031
YCS002	(Not display)	000 to 063	018
YCS003	(Not display)	000 to 031	004
YCS004	(Not display)	000 to 031	014
YCS005	(Not display)	000 to 031	014
YCS006	(Not display)	000 to 015	007
YCS007	(Not display)	000 to 015	007
YCS008	(Not display)	000 to 015	004
YCS009	(Not display)	000 to 015	800
YCS010	(Not display)	000 to 003	001
YCS011	(Not display)	000 to 003	001
YCS012	(Not display)	000 to 001	000
YCS013	(Not display)	000 to 001	000
YCS014	(Not display)	000 to 003	000
YCS015	(Not display)	000 to 003	000
YCS016	(Not display)	000 to 001	000
YCS017	(Not display)	000 to 003	001
YCS018	(Not display)	000 to 001	000

4.7.3 [3.WHITE BALANCE]

NOTE

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : 4:3
MULTI-SCREEN : SINGLE
VIDEO STATUS : STANDARD

COLOR TEMPERATURE: LOW

Item No.	Item name	Variable range	Setting value
BR	(Not display)	000 to 255	127
DRV R	(Not display)	000 to 255	149
DRV B	(Not display)	000 to 255	144
CUT R	(Not display)	000 to 255	031
CUT G	(Not display)	000 to 255	031
CUT B	(Not display)	000 to 255	031

4.7.4 [8.IP] (*All the values are fixed values)

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : 4:3
MULTI-SCREEN : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
IPA001	(Not display)	000 to 0FF	0D0
IPA002	(Not display)	000 to 0FF	000
IPA003	(Not display)	000 to 0FF	000
IPA004	(Not display)	000 to 0FF	05E
IPA005	(Not display)	000 to 01F	001
IPA006	(Not display)	000 to 0FF	037
IPA007	(Not display)	000 to 00F	000
IPA008	(Not display)	000 to 0FF	000
IPA009	(Not display)	000 to 00F	000
IPA010	(Not display)	000 to 0FF	080
IPA011	(Not display)	000 to 00F	002
IPA012	(Not display)	000 to 0FF	02B
IPA013	(Not display)	000 to 00F	002
IPA014	(Not display)	000 to 0FF	000
IPA015	(Not display)	000 to 00F	002
IPA016	(Not display)	000 to 0FF	080
IPA017	(Not display)	000 to 00F	001
IPA018	(Not display)	000 to 0FF	000
IPA019	(Not display)	000 to 00F	001
IPA020	(Not display)	000 to 0FF	080
IPA021	(Not display)	000 to 00F	000
IPA022	(Not display)	000 to 0FF	016
IPA023	(Not display)	000 to 00F	000
IPA024	(Not display)	000 to 0FF	017

Item No.	Item name	Variable range	Setting value
IPA025	(Not display)	000 to 00F	000
IPA026	(Not display)	000 to 0FF	019
IPA027	(Not display)	000 to 00F	000
IPA028	(Not display)	000 to 0FF	01B
IPA029	(Not display)	000 to 00F	000
IPA030	(Not display)	000 to 0FF	01D
IPA031	(Not display)	000 to 00F	000
IPA032	(Not display)	000 to 0FF	000
IPA033	(Not display)	000 to 00F	000
IPA034	(Not display)	000 to 0FF	010
IPA035	(Not display)	000 to 00F	000
IPA036	(Not display)	000 to 0FF	000
IPA037	(Not display)	000 to 00F	00F
IPA038	(Not display)	000 to 0FF	010
IPA039	(Not display)	000 to 00F	000
IPA040	(Not display)	000 to 00F	000
IPA041	(Not display)	000 to 0FF	011
IPA042	(Not display)	000 to 00F	000

4.7.5 [9.DSD] (*All the values are fixed values)

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : 4:3
MULTI-SCREEN : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
DSA001	(Not display)	000 to 03F	014
DSA002	(Not display)	000 to 03F	023
DSA003	(Not display)	000 to 03F	026
DSA004	(Not display)	000 to 003	000
DSA005	(Not display)	000/001	000
DSA006	(Not display)	000 to 003	002
DSA007	(Not display)	000 to 03F	800
DSA008	(Not display)	000/001	001
DSA009	(Not display)	000 to 03F	00C
DSA010	(Not display)	000/001	001
DSA011	(Not display)	000/001	001
DSA012	(Not display)	000 to 03F	007
DSA013	(Not display)	000 to 03F	012
DSA014	(Not display)	000 to 03F	02D
DSA015	(Not display)	000 to 003	002
DSA016	(Not display)	000/001	001
DSA017	(Not display)	000 to 003	000
DSA018	(Not display)	000 to 03F	000

Item No.	Item name	Variable range	Setting value
DSA019	(Not display)	000/001	001
DSA020	(Not display)	000 to 03F	000
DSA021	(Not display)	000/001	001
DSA022	(Not display)	000 to 03F	01A
DSA023	(Not display)	000/001	001
DSA024	(Not display)	000 to 03F	016
DSA025	(Not display)	000/001	001
DSA026	(Not display)	000 to 03F	000
DSA027	(Not display)	000/001	001
DSA028	(Not display)	000 to 03F	00D
DSA029	(Not display)	000/001	001
DSA030	(Not display)	000/001	001
DSA031	(Not display)	000 to 03F	020
DSA032	(Not display)	000/001	000
DSA033	(Not display)	000 to 003	000
DSA034	(Not display)	000 to 03F	800
DSA035	(Not display)	000/001	001
DSA036	(Not display)	000/001	001
DSA037	(Not display)	000 to 03F	020
DSA038	(Not display)	000/001	000
DSA039	(Not display)	000 to 003	000
DSA040	(Not display)	000 to 03F	800
DSA041	(Not display)	000/001	001
DSA042	(Not display)	000/001	001
DSA043	(Not display)	000/001	001
DSA044	(Not display)	000 to 03F	020
DSA045	(Not display)	000/001	000
DSA046	(Not display)	000 to 003	003
DSA047	(Not display)	000 to 03F	024
DSA048	(Not display)	000/001	001
DSA049	(Not display)	000 to 03F	000
DSA050	(Not display)	000/001	001
DSA051	(Not display)	000 to 03F	800
DSA052	(Not display)	000/001	001
DSA053	(Not display)	000/001	001

Item No.	Item name	Variable range	Setting value
DSB001	(Not display)	000 to 03F	
DSB002	(Not display)	000 to 03F	
DSB003	(Not display)	000 to 03F	
DSB004	(Not display)	000 to 003	
DSB005	(Not display)	000 to 003	
DSB006	(Not display)	000 to 003	
DSB007	(Not display)	000 to 03F	
DSB008	(Not display)	000/001	

		V. 1.11	Setting
Item No.	Item name	Variable range	value
DSB009	(Not display)	000 to 03F	
DSB010	(Not display)	000/001	
DSB011	(Not display)	000/001	
DSB012	(Not display)	000 to 03F	
DSB013	(Not display)	000 to 03F	
DSB014	(Not display)	000 to 03F	
DSB015	(Not display)	000 to 003	
DSB016	(Not display)	000/001	
DSB017	(Not display)	000 to 003	
DSB018	(Not display)	000 to 03F	
DSB019	(Not display)	000/001	
DSB020	(Not display)	000 to 03F	
DSB021	(Not display)	000/001	
DSB022	(Not display)	000 to 03F	
DSB023	(Not display)	000/001	
DSB024	(Not display)	000 to 03F	
DSB025	(Not display)	000/001	
DSB026	(Not display)	000 to 03F	
DSB027	(Not display)	000/001	
DSB028	(Not display)	000 to 03F	
DSB029	(Not display)	000/001	
DSB030	(Not display)	000/001	
DSB031	(Not display)	000 to 03F	
DSB032	(Not display)	000/001	
DSB033	(Not display)	000 to 003	
DSB034	(Not display)	000 to 03F	
DSB035	(Not display)	000/001	
DSB036	(Not display)	000/001	
DSB037	(Not display)	000 to 03F	
DSB038	(Not display)	000/001	
DSB039	(Not display)	000 to 003	
DSB040	(Not display)	000 to 03F	
DSB041	(Not display)	000/001	
DSB042	(Not display)	000/001	
DSB043	(Not display)	000/001	
DSB044	(Not display)	000 to 03F	
DSB045	(Not display)	000/001	
DSB046	(Not display)	000 to 003	
DSB047	(Not display)	000 to 03F	
DSB048	(Not display)	000/001	
DSB049	(Not display)	000 to 03F	
DSB050	(Not display)	000/001	
DSB051	(Not display)	000 to 03F	
DSB052	(Not display)	000/001	
DSB053	(Not display)	000/001	

Item No.	Item name	Variable range	Setting value
DSC001	(Not display)	000 to 00F	800
DSC002	(Not display)	000 to 0FF	098
DSC003	(Not display)	000 to 03F	01C
DSC004	(Not display)	000 to 003	000
DSC005	(Not display)	000 to 0FF	000
DSC006	(Not display)	000/001	000
DSC007	(Not display)	000/001	000
DSC008	(Not display)	000/001	000
DSC009	(Not display)	000 to 00F	000
DSC010	(Not display)	000 to 0FF	000
DSC011	(Not display)	000 to 00F	00F
DSC012	(Not display)	000 to 0FF	0FF
DSC013	(Not display)	000 to 00F	000
DSC014	(Not display)	000 to 0FF	000
DSC015	(Not display)	000 to 00F	00F
DSC016	(Not display)	000 to 0FF	0FF
DSC017	(Not display)	000 to 00F	000
DSC018	(Not display)	000 to 0FF	04A
DSC019	(Not display)	000 to 0FF	000
DSC020	(Not display)	000 to 0FF	09E
DSC021	(Not display)	000 to 00F	001
DSC022	(Not display)	000 to 0FF	0B8
DSC023	(Not display)	000 to 00F	001
DSC024	(Not display)	000 to 0FF	0ED
DSC025	(Not display)	000 to 00F	000
DSC026	(Not display)	000 to 0FF	080
DSC027	(Not display)	000 to 00F	000
DSC028	(Not display)	000 to 0FF	040
DSC029	(Not display)	000 to 00F	005
DSC030	(Not display)	000 to 0FF	040
DSC031	(Not display)	000 to 00F	000
DSC032	(Not display)	000 to 0FF	0C0
DSC033	(Not display)	000 to 00F	000
DSC034	(Not display)	000 to 0FF	080
DSC035	(Not display)	000 to 00F	000
DSC036	(Not display)	000 to 0FF	040
DSC037	(Not display)	000 to 00F	005
DSC038	(Not display)	000 to 0FF	040
DSC039	(Not display)	000 to 00F	000
DSC040	(Not display)	000 to 0FF	0C0
DSC041	(Not display)	000 to 00F	004
DSC042	(Not display)	000 to 0FF	07B
DSC043	(Not display)	000/001	000
DSC044	(Not display)	000/001	000

Item No.	Item name	Variable range	Setting value
DSD001	(Not display)	000 to 255	001
DSD002	(Not display)	000 to 255	002
DSD003	(Not display)	000 to 255	001
DSD004	(Not display)	000 to 255	002
DSD005	(Not display)	000 to 255	001
DSD006	(Not display)	000 to 255	002
DSD007	(Not display)	000 to 255	001
DSD008	(Not display)	000 to 255	002
DSD009	(Not display)	-128 to +127	+001
DSD010	(Not display)	-128 to +127	000
DSD011	(Not display)	-128 to +127	+002
DSD012	(Not display)	-128 to +127	+002
DSD013	(Not display)	-128 to +127	-001
DSD014	(Not display)	-128 to +127	+004
DSD015	(Not display)	0001 to 0FF1	05C1
DSD016	(Not display)	0001 to 0FF1	08B1
DSD017	(Not display)	0001 to 0FF1	0E21

4.7.6 [0.HDMI] (*All the values are fixed values)

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : 480p(HDMI)
ASPECT : 4:3
MULTI-SCREEN : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
HDM001	(Not display)	000/001	000
HDM002	(Not display)	000/001	000
HDM003	(Not display)	000/001	000
HDM004	(Not display)	000/001	000
HDM005	(Not display)	000/001	001
HDM006	(Not display)	000 to 003	000
HDM007	(Not display)	000/001	000
HDM008	(Not display)	000/001	000
HDM009	(Not display)	000/001	000
HDM010	(Not display)	000/001	000
HDM011	(Not display)	000/001	000
HDM012	(Not display)	000/001	000
HDM013	(Not display)	000/001	000
HDM014	(Not display)	000/001	000
HDM015	(Not display)	000/001	000
HDM016	(Not display)	000 to 255	000
HDM017	(Not display)	000 to 255	000
HDM018	(Not display)	000 to 255	000
HDM019	(Not display)	000/001	001

Item No.	Item name	Variable range	Setting value
HDM020	(Not display)	000 to 255	000
HDM021	(Not display)	000 to 007	000
HDM022	(Not display)	000 to 063	006
HDM023	(Not display)	000 to 063	006
HDM024	(Not display)	000 to 063	006
HDM025	(Not display)	000 to 001	000
HDM026	(Not display)	000 to 003	000
HDM027	(Not display)	000 to 255	180
HDM028	(Not display)	000 to 003	000
HDM029	(Not display)	000 to 255	192
HDM030	(Not display)	000 to 003	000
HDM031	(Not display)	000 to 255	212
HDM032	(Not display)	000 to 003	000
HDM033	(Not display)	000 to 255	191
HDM034	(Not display)	000 to 003	001
HDM035	(Not display)	000 to 255	012
HDM036	(Not display)	000 to 255	026
HDM037	(Not display)	000 to 255	001
HDM038	(Not display)	000 to 255	012
HDM039	(Not display)	000/001	001
HDM040	(Not display)	000/001	001
HDM041	(Not display)	000/001	000
HDM042	(Not display)	000 to 255	001
HDM043	(Not display)	000 to 007	003
HDM044	(Not display)	000 to 003	000
HDM045	(Not display)	000 to 003	000
HDM046	(Not display)	000/001	001
HDM047	(Not display)	000 to 015	007
HDM048	(Not display)	000 to 255	000
HDM049	(Not display)	000 to 255	000
HDM050	(Not display)	000 to 015	000
HDM051	(Not display)	000/001	000
HDM052	(Not display)	000/001	000
HDM053	(Not display)	000/001	000
HDM054	(Not display)	000/001	000
HDM055	(Not display)	000/001	000
HDM056	(Not display)	000/001	000
HDM057	(Not display)	000/001	001
HDM058	(Not display)	000/001	000
HDM059	(Not display)	000/001	001
HDM060	(Not display)	000/001	000
HDM061	(Not display)	000/001	001
HDM062	(Not display)	000/001	001
HDM063	(Not display)	000/001	000
HDM064	(Not display)	000/001	000

Item No.	Item name	Variable range	Setting value
HDM065	(Not display)	000/001	001
HDM066	(Not display)	000/001	000
HDM067	(Not display)	000/001	001
HDM068	(Not display)	000/001	004
HDM069	(Not display)	000/001	000
HDM070	(Not display)	000/001	001
HDM071	(Not display)	000/001	000
HDM072	(Not display)	000/001	000
HDM073	(Not display)	000/001	000
HDM074	(Not display)	000/001	800
HDM075	(Not display)	000/001	001
HDM076	(Not display)	000/001	001
HDM077	(Not display)	000/001	001
HDM078	(Not display)	000/001	001
HDM079	(Not display)	000/001	001
HDM080	(Not display)	000/001	001

Item No.	Item name	Variable range	Setting value
RHD001	(Not display)		000
RHD002	(Not display)		000
RHD003	(Not display)		000
RHD004	(Not display)		000
RHD005	(Not display)		000
RHD006	(Not display)		000
RHD007	(Not display)		000
RHD008	(Not display)		000
RHD009	(Not display)		000
RHD010	(Not display)		000
RHD011	(Not display)		000
RHD012	(Not display)		000
RHD013	(Not display)		000
RHD014	(Not display)		000
RHD015	(Not display)		000
RHD016	(Not display)		000
RHD017	(Not display)		000
RHD018	(Not display)		000
RHD019	(Not display)		000
RHD020	(Not display)		000
RHD021	(Not display)		000
RHD022	(Not display)		000
RHD023	(Not display)		000
RHD024	(Not display)		000
RHD025	(Not display)		000
RHD026	(Not display)		000
RHD027	(Not display)		000

Item No.	Item name	Variable range	Setting value
RHD028	(Not display)		000
RHD029	(Not display)		000
RHD030	(Not display)		000
RHD031	(Not display)		000
RHD032	(Not display)		000
RHD033	(Not display)		000
RHD034	(Not display)		000
RHD035	(Not display)		000
RHD036	(Not display)		000
RHD037	(Not display)		000
RHD038	(Not display)		000
RHD039	(Not display)		000
RHD040	(Not display)		000
RHD041	(Not display)		000
RHD042	(Not display)		000
RHD043	(Not display)		000
RHD044	(Not display)		000
RHD045	(Not display)		000
RHD046	(Not display)		000
RHD047	(Not display)		000
RHD048	(Not display)		000
RHD049	(Not display)		000
RHD050	(Not display)		000
RHD051	(Not display)		000
RHD052	(Not display)		000
RHD053	(Not display)		000
RHD054	(Not display)		000
RHD055	(Not display)		000
RHD056	(Not display)		000
RHD057	(Not display)		000
RHD058	(Not display)		000
RHD059	(Not display)		000
RHD060	(Not display)		000
RHD061	(Not display)		000
RHD062	(Not display)		000
RHD063	(Not display)		000
RHD064	(Not display)		000
RHD065	(Not display)		000
RHD066	(Not display)		000
RHD067	(Not display)		000
RHD068	(Not display)		000
RHD069	(Not display)		000
RHD070	(Not display)		000
RHD071	(Not display)		000
RHD072	(Not display)		000

Item No.	Item name	Variable range	Setting value
RHD073	(Not display)		000
RHD074	(Not display)		000
RHD075	(Not display)		000
RHD076	(Not display)		000
RHD077	(Not display)		000
RHD078	(Not display)		000
RHD079	(Not display)		000
RHD080	(Not display)		000
RHD081	(Not display)		000
RHD082	(Not display)		000
RHD083	(Not display)		000
RHD084	(Not display)		000
RHD085	(Not display)		000
RHD086	(Not display)		000
RHD087	(Not display)		000
RHD088	(Not display)		000
RHD089	(Not display)		000
RHD090	(Not display)		000
RHD091	(Not display)		000
RHD092	(Not display)		000
RHD093	(Not display)		000
RHD094	(Not display)		000
RHD095	(Not display)		000
RHD096	(Not display)		000
RHD097	(Not display)		000
RHD098	(Not display)		000
RHD009	(Not display)		000
RHD100	(Not display)		000
RHD101	(Not display)		000
RHD102	(Not display)		000
RHD103	(Not display)		000
RHD104	(Not display)		000
RHD105	(Not display)		000
RHD106	(Not display)		000
RHD107	(Not display)		000
RHD108	(Not display)		000
RHD109	(Not display)		000
RHD110	(Not display)		000
RHD111	(Not display)		000
RHD112	(Not display)		000
RHD113	(Not display)		000
RHD114	(Not display)		000
RHD115	(Not display)		000
RHD116	(Not display)		000
RHD117	(Not display)		000

Item No.	Item name	Variable range	Setting value
RHD118	(Not display)		000
RHD119	(Not display)		000
RHD120	(Not display)		000
RHD121	(Not display)		000
RHD122	(Not display)		000
RHD123	(Not display)		000
RHD124	(Not display)		000
RHD125	(Not display)		000
RHD126	(Not display)		000
RHD127	(Not display)		000
RHD128	(Not display)		000
RHD129	(Not display)		000
RHD130	(Not display)		000
RHD131	(Not display)		000
RHD132	(Not display)		000
RHD133	(Not display)		000
RHD134	(Not display)		000
RHD135	(Not display)		000
RHD136	(Not display)		000
RHD137	(Not display)		000
RHD138	(Not display)		000
RHD139	(Not display)		000
RHD140	(Not display)		000
RHD141	(Not display)		000
RHD142	(Not display)		000
RHD143	(Not display)		000
RHD144	(Not display)		000
RHD145	(Not display)		000
RHD146	(Not display)		000
RHD147	(Not display)		000
RHD148	(Not display)		000
RHD149	(Not display)		000
RHD150	(Not display)		000
RHD151	(Not display)		000
RHD152	(Not display)		000
RHD153	(Not display)		000
RHD154	(Not display)		000
RHD155	(Not display)		000
RHD156	(Not display)		000
RHD157	(Not display)		000
RHD158	(Not display)		000
RHD159	(Not display)		000
RHD160	(Not display)		000
RHD161	(Not display)		000
RHD162	(Not display)		000

Item No.	Item name	Variable range	Setting value
RHD163	(Not display)		000
RHD164	(Not display)		000
RHD165	(Not display)		000
RHD166	(Not display)		000
RHD167	(Not display)		000
RHD168	(Not display)		000
RHD169	(Not display)		000
RHD170	(Not display)		000

4.8 ADJUSTMENT PROCEDURE

4.8.1 CHECK ITEM

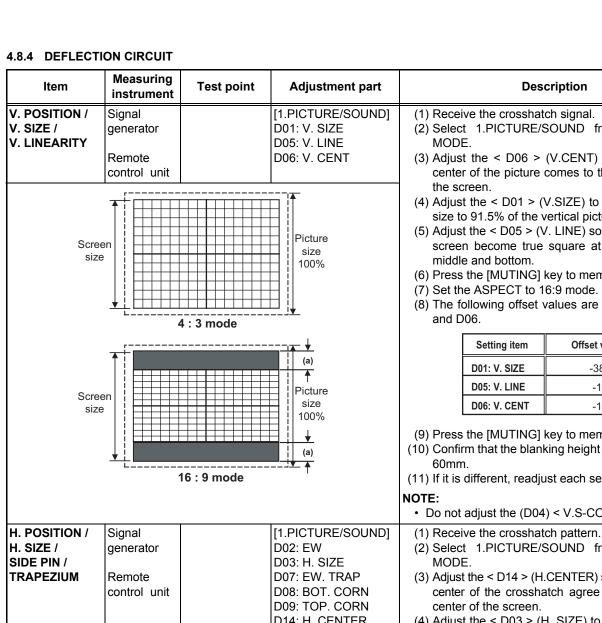
Item	Measuring instrument	Test point	Adjustment part	Description
B1 VOLTAGE	Signal generator DC voltmeter	S1 connector 1-pin: TP-E 5-pin: TP-91 [POWER & DEF PWB]		 (1) Receive the black and white signal (color off). (2) Connect the DC voltmeter to the TP-E and TP-91(B1) of S1 connector. (3) Confirm that the voltage is DC140V±2.5V.
HIGH VOLTAGE HOLD DOWN		S1 connector 2-pin : X-RAY2 3-pin : X-RAY1 [POWER & DEF PWB]		 After reparing the high voltage hold down circuit. This circuit shall be checked to operate correctly. (1) Turn the power switch to on. (2) Refer to the figure, connect the resistor 27.0kΩ ±1% between S1 connector 2-pin and 3-pin. (3) Make sure that the screen picture disappeares.
S1 CON X RAY _ DETECT	RESISTOR 27.0 kΩ±1% 27.0 kΩ±1% HVT S1 CONNECTOR 1 2 3 4 5 TP-E X RAY			 (4) Disconnect the power plug. (5) Remove the resistor. (6) Again connect the power plug. (7) Turn the power switch to on. (8) Make sure that the normal picture is displayed on the screen.

4.8.2 FOCUS

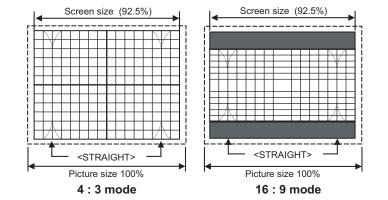
Item	Measuring instrument	Test point	Adjustment part	Description	
FOCUS	Signal generator Remote control unit		FOCUS VR(H) FOCUS VR(V) [HVT]	 (1) Receive the cross-hatch signal. (2) While watching the screen, adjust the FOCU VR(H) to make the horizontal lines as fine and sha as possible. (3) Then adjust the FOCUS VR(V) to make the vertice. 	
	FOCUS VR(H) FOCUS VR(V) SCREEN		<i>'</i>	lines as fine and sharp as possible. (4) Make sure that when the screen is darkened, the lines remain in good focus.	

4.8.3 HORIZONTAL FREQUENCY

Item	Measuring instrument	Test point	Adjustment part	Description
H. FREQUENCY	Signal		[1.PICTURE/SOUND]	(1) Receive the any broadcast.
	generator		D15: H. FREQ.	(2) Select 1.PICTURE/SOUND from the SERVICE MODE.
			D18: (Not display)	(3) Preset the value from 0 to 1 for the < D18 > (DEF
	Remote		(DEF RST OUT)	RST OUT).
	control unit			(4) Adjust the < D15 >(H. FREQ.) so that an optimum horizontal synchronization is obtained.
				(5) Press [MUTING] key to memorize the set value.
				(6) Set the ASPECT to 16: 9 mode.
				(7) Memorize the same value on 16: 9 mode as will.
				(8) After adjustment, return the value from 1 to 0 for the < D18 >.
				(9) Press the [MUTING] key to memorize the set value.



D14: H. CENTER



- Receive the crosshatch signal.
- (2) Select 1.PICTURE/SOUND from the SERVICE
- (3) Adjust the < D06 > (V.CENT) so that the vertical center of the picture comes to the vertical center of
- (4) Adjust the < D01 > (V.SIZE) to became the screen size to 91.5% of the vertical picture size.
- (5) Adjust the < D05 > (V. LINE) so that the crosshatch screen become true square at the portion of top,
- (6) Press the [MUTING] key to memorize the set value.
- (8) The following offset values are added to D01, D05

Setting item	Offset value
D01: V. SIZE	-38
D05: V. LINE	-1
D06: V. CENT	-1

- (9) Press the [MUTING] key to memorize the set value.
- (10) Confirm that the blanking height of (a) in the figure is
- (11) If it is different, readjust each settings.
- Do not adjust the (D04) < V.S-CORRECTION >.
- (2) Select 1.PICTURE/SOUND from the SERVICE
- (3) Adjust the < D14 > (H.CENTER) so that the horizontal center of the crosshatch agree with the horizontal
- (4) Adjust the < D03 > (H. SIZE) to become the screen size to 92.5% of the horizontal picture size.
- (5) Adjust the <D02>(EW TRAP) to the vertical lines become straight...
- (6) If the corner pincushions are too bad, adjust the < D09 > (TOP. CORN), < D08 > (BOT. CORN) and < D07 > (EW. TRAP) to get exact corner pincushion of the crosshatch pattern.
- (7) Press the [MUTING] key to memorize the set value.
- (8) Set the ASPECT to 16:9 screen mode.
- (9) The following offset values are added to D02.

Setting item	Offset value
D02: EW	-5

(10) Press the [MUTING] key to memorize the set value. (11) If adjustment is different, readjust each mode.

Confirm the H. position and if it is different, readjust the H. position again.

Repeat the adjustment of the H. size and side pincushion.

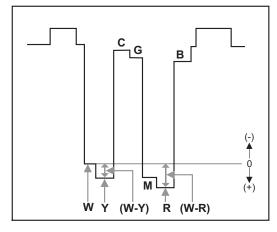
4.8.5 VIDEO CIRCUIT

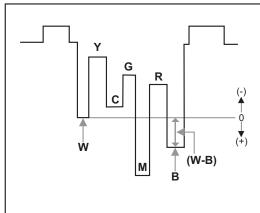
Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (LOW LIGHT)	Signal generator Remote control unit		[1.PICTURE/SOUND] S14: CUTOFR S16: CUTOFG S18: CUTOFB [3.WHITE BALANCE] SCREEN VR [FBT]	 (2) Set the VIDEO STATUS to STANDARD. (3) Set the COLOR TEMPERATURE to LOW. (4) Select 1.PICTURE/SOUND from the SERVICE MODE. (5) Set the initial setting values of the < S14 > (CUTOFF R), < S16 > (CUTOFF G), < S18 > (CUTOFF B). (6) Return to the main menu in SERVICE MODE. (7) Select the 3.WHITE BALANCE from SERVICE
	REMOT	E CONTROL UN	ІТ	MODE. (8) Display the horizontal line by pressing the [1] key.
	H.LINE ON 1 H.LINE OFF 4 G CUTOFF G CUTOFF TUNE	(5) (R CUTOFF ▲ B CU	3) 6) ITOFF▲ 9) TOFF▼ PETURN+	 (9) Turn the SCREEN VR all the way to the left, then turn it gradually clockwise until either one of the red, blue or green color is faintly visible. (10) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [7], [8], [9], [TUNE] and [RETURAN+] keys. (11) Press the [MUTING] key to memorize the set value. (12) Press the [4] key to release the horizontal line mode. (13) If there is a gap with the setting values, repeat the steps 7. to 12. for readjustment. (14) Input the 480i component video signal. (15) Repeat the steps 7. to 13. as above. (16) Input the 1080i component video signal. (17) Repeat the steps 7. to 13. as above.
WHITE BALANCE (HIGH LIGHT)	Signal generator Remote		[1.PICTURE/SOUND] S10: DRIVE R S12: DRIVE B	 (1) Input the black and white signal (color off). (2) Set the VIDEO STATUS to STANDARD. (3) Set the COLOR TEMPERATURE to LOW. (4) Select 1.PICTURE/SOUND from the SERVIC
	control unit		[3.WHITE BALANCE]	MODE. (5) Set the initial setting values of the < S10 > (DRIVE R)
	REMOT	E CONTROL UN	IT	and < S12 > (DRIVE B). (6) Return to the main menu in SERVICE MODE.
	1		RIVE A	 (7) Select the 3.WHITE BALANCE from SERVICE MODE. (8) Adjust the screen until it becomes white using the [2],[3], [5] and [6] keys.
	4	_	RIVE ▼	(9) Press the [MUTING] key to memorize the set value.(10) Make sure that the WHITE BALANCE tracking from the LOW-LIGHT through the HIGH-LIGHT has been
	7	8 (9)	properly done. [When the black and white signal (color off) is received, the natural white should be visible.]
	TUNE	0 (RETURN+	(11) Input the 480i component video signal to COMPONENT VIDEO terminal.
				 (12) Repeat the steps 7. to 9. as above. (13) Input the 1080i component video signal to COMPONENT VIDEO terminal. (14) Repeat the steps 7. to 9. as above. (15) If there is a gap with the initial setting values, repeat the steps 7. to 9. for readjustment.

Item	Measuring instrument	Test point	Adjustment part	Description
SUB BRIGHT	Remote control unit		[1.PICTURE/SOUND] S03: BRIGHT	 (1) Receive the color bar signal. (2) Set the VIDEO STATUS to STANDARD. (3) Set the COLOR TEMPERATURE to LOW. (4) Select 1.PICTURE/SOUND from the SERVICE MODE. (5) Set the initial setting value of the < S03 > (BRIGHT). (6) If the brightness is not the best with initial setting value, make fine adjustment of the < S03 > until you get the best brightness. (7) Press the [MUTING] key to memorize the set value. (8) Set the VIDEO STATUS to THEATER. (9) Set the COLOR TEMPERATURE to HIGH. (10) Repeat the steps 4. to 7. as above. (11) Input the 480i component color bar signal. (12) Repeat the steps 2. to 10. as above. (13) Input the 1080i component color bar signal. (14) Repeat the steps 2. to 7. as above. (15) Set the VIDEO STATUS to THEATER. (16) Repeat the steps 3. to 7. as above.
SUB CONTRAST	Remote control unit		[1.PICTURE/SOUND] S04: CONTRAST	 (1) Receive the NTSC color bar signal. (2) Set the VIDEO STATUS to STANDARD. (3) Set the COLOR TEMPERATURE to LOW. (4) Select 1.PICTURE/SOUND from the SERVICE MODE. (5) Set the initial setting value of the < S04 > (CONTRAST). (6) If the contrast is not the best with the initial setting value, make fine adjustment of the < S04 > until you get the optimum contrast. (7) Press the [MUTING] key to memorize the set value. (8) Set the VIDEO STATUS to THEATER. (9) Set the COLOR TEMPERATURE to HIGH. (10) Repeat the steps 4. to 7. as above. (11) Input the 480i component color bar signal. (12) Repeat the steps 2. to 10. as above. (13) Input the 1080i component color bar signal. (14) Repeat the steps 2. to 7. as above. (15) Set the VIDEO STATUS to THEATER. (16) Repeat the steps 3. to 7. as above.

Item	Measuring instrument	Test point	Adjustment part	Description
SUB COLOR / SUB TINT / B-Y GAIN (1)	Signal generator Remote control unit		[1.PICTURE/SOUND] S01: COLOR S02: TINT S07: B-Y	Method of adjustment without measuring instrument (1) Receive the composite NTSC color bar signal. (2) Set the VIDEO STATUS to STANDARD. (3) Set the COLOR TEMPERATURE to LOW. (4) Select 1.PICTURE/SOUND from the SERVICE MODE. (5) Set the initial setting values of the < S01 > (COLOR) and < S02 > (TINT). (6) If the color or tint is not the best with the initial setting values, make fine adjustment until you get the best color or the best tint. (7) Set the initial setting values of the < S07 > (B-Y). (8) If the color bar is not clearly with the initial setting value, make fine adjustment until you get the clearly color bar. (9) Press the [MUTING] key to memorize the set value. (10) Set the VIDEO STATUS to THEATER. (11) Set the COLOR TEMPERATURE to HIGH. (12) Repeat the steps 4. to 9. as above. (13) Input the 480i component color bar signal to COMPONENT VIDEO terminal. (14) Repeat the steps 2. to 12. as above. (15) Input the 480p component color bar signal to COMPONENT VIDEO terminal. (16) Repeat the steps 2. to 12. as above. (17) Input the 1080i component color bar signal to COMPONENT VIDEO terminal. (18) Repeat the steps 2. to 9. as above. (19) Set the VIDEO STATUS to THEATER.
				(20) Set the COLOR TEMPERATURE to LOW. (21) Repeat the steps 4. to 9. as above.

Item	Measuring instrument	Test point	Adjustment part
SUB COLOR /	Signal	TP-R	[1.PICTURE/SOUND]
SUB TINT / B-Y GAIN (2)	generator	TP-B TP-E	S01: COLOR S02: TINT
B-1 GAIN (2)	Oscilloscope	[CRT SOCKET PWB]	S07: B-Y
	Remote control unit		





	Α		В		С	D
Setting	STANDARD		THEATER		STANDARD	THEATER
value	(W-R)	(W-Y)	(W-R)	(W-Y)	(W-B)	(W-B)
	S01	S02	S01	S02	S07	S07
NTSC(4:3)	+40V	+12V	+22V	0V	+10V	+10V
480i(4:3)	+36V	+15V	+15V	+3V	+1V	+1V
480p(4:3)	+42V	+17V	+19V	+3V	+1V	-1V
1080i (16:9)	+27V	+4V	+15V	+5V	-13V	-4V

Method of adjustment using measuring instrument

Description

- Receive the composite NTSC color bar (75% white) signal.
- (2) Set the VIDEO STATUS to STANDARD.
- (3) Set the COLOR TEMPERATURE to LOW.
- (4) Select 1.PICTURE/SOUND from the SERVICE MODE
- (5) Connect the oscilloscope between TP-R and TP-E.
- (6) Adjust the < S01 > (COLOR) and < S02 > (TINT) to be the following setting value A [V].
- (7) Connect the oscilloscope between TP-B and TP-E.
- (8) Adjust the < S07 > (B-Y) to be setting value C [V].
- (9) Press the [MUTING] key to memorize the set value.
- (10) Set the VIDEO STATUS to THEATER.
- (11) Set the COLOR TEMPERATURE to HIGH.
- (12) Adjust the < S01 > and < S02 > to be the following setting value B [V].
- (13) Adjust the < S07 > to be setting value D [V].
- (14) Press the [MUTING] key to memorize the set value.
- (15) Input the 480i component color bar signal to COMPONENT VIDEO terminal.
- (16) Repeat the steps 2. to 14. as above.
- (17) Input the 480p component color bar signal to COMPONENT VIDEO terminal.
- (18) Repeat the steps 2. to 14. as above.
- (19) Input the 1080i component color bar signal to COMPONENT VIDEO terminal.
- (20) Repeat the steps 2. to 9. as above.
- (21) Set the VIDEO STATUS to THEATER.
- (22) Set the COLOR TEMPERATURE to LOW.
- (23) Repeat the steps 12. to 14. as above.

NOTE:

- Confirm that the low-light is not different after adjusting COLOR, TINT and B-Y. If it is green or magenta, adjust the low-light again.
- If the readjustment is carried out, set the off set values again.

4.8.6 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustmer	nt part	Description
MTS INPUT LEVEL	Remote control unit		[1.PICTURE/SOUND] A01: IN LEVEL		 (1) Receive the any broadcast. (2) Select the 1.PICTURE/SOUND from the SERVICE MODE. (3) Select the < A01 > (IN LEVEL). (4) Set the intal setting value of the < A01 >. (5) Press the [MUTING] key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit		[1.PICTURE/SOUND] A02: LOW SEP A03: HI SEP		 (1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to L OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the AUDIO OUT, and enlarge the voltage axis. (4) Select 1.PICTURE/SOUND from the SERVICE MODE. (5) Set the initial setting value of the < A02 > (LOW)
	nannel al waveform	R-Chani crosstall	nel k portion		 (5) Set the initial setting value of the < A02 > (LOW SEP). (6) Adjust the < A02 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the < A03 > (HI SEP). (8) Press the [MUTING] key to memorize the set value.

SECTION 5 TROUBLESHOOTING

5.1 SELF-DIAGNOSIS FEATURE

5.1.1 OUTLINE

This unit comes with the "Self-diagnosis" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I²C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF-DIAGNOSIS DISPLAY MODE

Before entering the Self-diagnosis Display mode, confirm that the setting of TV / CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the Self-diagnosis Display mode.

- (1) Press the [SLEEP TIMER] key and set it to 30 minutes.
- (2) Press the [VIDEO STATUS] key and [DISPLY] key simultaneously, then enter the TEST MODE.
- (3) Press the [4] key (Self-diagnosis Display mode) before the service mode screen disappears.

5.1.3 HOW TO EXIT THE SELF-DIAGNOSIS DISPLAY MODE To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the self-diagnosis display mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the [POWER] key on the remote control unit when in the self-diagnosis display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF-DIAGNOSIS FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be iagnosed as "Abnormal" and displayed and counted as "NG".

- (1) Temporary defective transmissions across circuits due to pulse interruptions
- (2) Misalignment in the on/off timing of power for I²C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start self-diagnosis check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

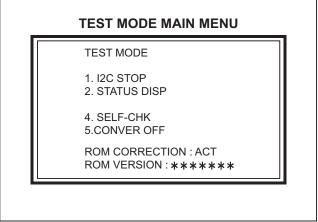


Fig.1

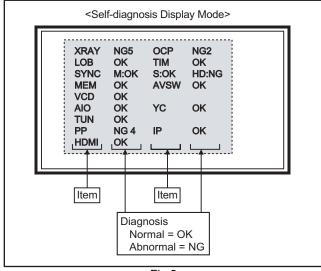


Fig.2

5.1.6 DETAILS

Self-diagnosis is performed for the following items:

Check Item	Indication	Details of detection	Method of detection
X-ray protection	XRAY		There is its OSD. However the XRAY self-check is not active.(No counting)
B1 over-current protection	OCP	B1 over-current is detected. Q2971 (POWER & DEF PWB)	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
Low B short protection	LOB	Operation of low B short protection circuit. 5V: Q1961 9V: Q1962 (MAIN PWB)	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
CRT neck protection		Operation of CRT neck protection circuit. Q2401 (POWER & DEF PWB)	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 1.5s, the power is turned off automatically.
Timer (clock)	TIM	The power frequency is changed as follows: 50Hz→60Hz / 60Hz→50Hz IC1701 (MI-COM & DIST MODULE PWB)	Periodically check the power frequency by counting the AC pulse and monitor whether or not the frequency is changed except for the time immediately after resetting.
Presence or absence of synchronized signal	SYNC	Presence of synchronized signal. HD: Component input / M: NTSC main / S: NTSC sub IC1301 (MI-COM & DISTMODULE PWB)	When entering the self-check mode, "OK" is shown. While running the mode with picture signal, if the synchronized signal is disappeared, "NG" is shown.
Main memory	MEM	ACK is returned when I ² C traffic is carried out. IC1703 (memory) (MAIN PWB)	The state is monitored every time when I ² C traffic is carried out. Then the state is counted as a failure if ACK is not returned.
AV switch	AVSW	Ditto IC1501 (MAIN PWB)	Ditto
Video process	VCD	Ditto IC1301 (MAIN PWB)	Ditto
Audio	AIO	Ditto IC1140 (RECEIVER PWB)	Ditto
3D YC separation	YC	Ditto IC3001 (MI-COM & DIST MODULE PWB)	Ditto
RF tuner	TUN	Ditto TU1101 (RECEIVER PWB)	Ditto
Multi screen	PP	Ditto IC1001 (MI-COM & DIST MODULE PWB)	Ditto
DIST process	IP	Ditto IC1001 (MI-COM & DIST MODULE PWB)	Ditto
DVI (Digital input) process	HDMI	Ditto IC7001 (DIGITAL INPUT MODULE PWB)	Ditto

5.1.7 DISPLAY METHOD WHEN RASTER IS NOT AVAILABLE

The self-check results are shown on the following LED display. Method of indication when the raster is not displayed. Each failure is shown by turning LED on and off at the specified intervals.

 For B1 over-current protection, CRT neck protection and Low B short protection, the power of the TV is turned off, if NG is detected. Immediately after the power is turned off, POWER LED will be turning on and off. When the power is turned off, you cannot turn the power on again until the AC plug is taken out and put in again.

Item	POWER LED ON / OFF intervals	
B1 over-current protection	Tuningon and off at 1-second intervals	
Low B short protection	Tuningon and off at 2-second intervals	
CRT neck protection	Tuningon and off at 3-second intervals	

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JVC CANADA INC.

Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311





PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS		CAPACITORS
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

	RESISTORS								
F	G	J	K	М	N	R	Н	Z	Р
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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LINE FILTER P.W. BOARD ASS'Y (SSC-9003A-M2)	
DEF OSC P.W. BOARD ASS'Y (SSC0H003A-M2)	
RECEIVER P.W. BOARD ASS'Y (SSC0R002A-M2)	
FRONT CONTROL P.W. BOARD ASS'Y (SSC0L003A-M2)	
FRONT SW P.W. BOARD ASS'Y (SSC0L104A-M2)	
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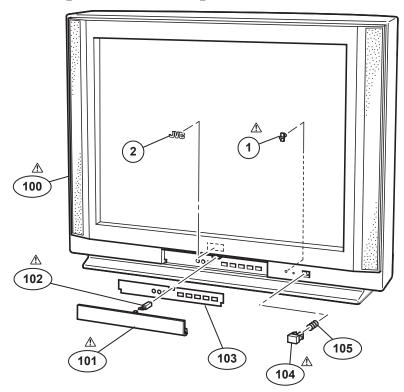
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-32S565/Y	AV-32S575/Y	AV-32S585/Y
MAIN P.W.B	SSC-1005A-M2	SSC-1004A-M2	SSC-1003A-M2
POWER & DEF P.W.B	SSC-2003A-M2	←	←
CRT SOCKET P.W.B	SSC-3003A-M2	←	←
LINE FILTER P.W.B	SSC-9003A-M2	←	←
DEF OSC P.W.B	SSC0H003A-M2	←	←
RECEIVER P.W.B	SSC0R003A-M2	SSC0R002A-M2	←
FRONT CONTROL P.W.B	SSC0L003A-M2	←	←
FRONT SW P.W.B	SCC0L104A-M2	SSC0L103A-M2	←
MI-COM & DIST MODULE P.W.B	SSC0D003A-M2	←	←
DIGITAL INPUT MODULE P.W.B		SSC-7802A-M2	SSC-7801A-M2
REMOTE CONTROL UNIT	RM-C1257G-1H	←	←

EXPLODED VIEW PARTS LIST -1 [AV-32S565/Y]

⚠ Ref.No.	Part No.	Part Name	Description	Local
<u>^</u> 1 2	LC30191-003A-A CM48006-008-C	REMOCON WINDOW JVC MARK		
 ⚠ 100 ⚠ 101 ⚠ 102 103 ⚠ 104 105 	LC11048-015A-A LC20628-003A-A CM48229-00A-C LC31238-003A-A LC31237-003A-A CM36481-002A-A	FRONT CABINET ASSY DOOR DOOR LATCH OPERATION SHEET POWER KNOB SPRING	Inc.No.101-105	

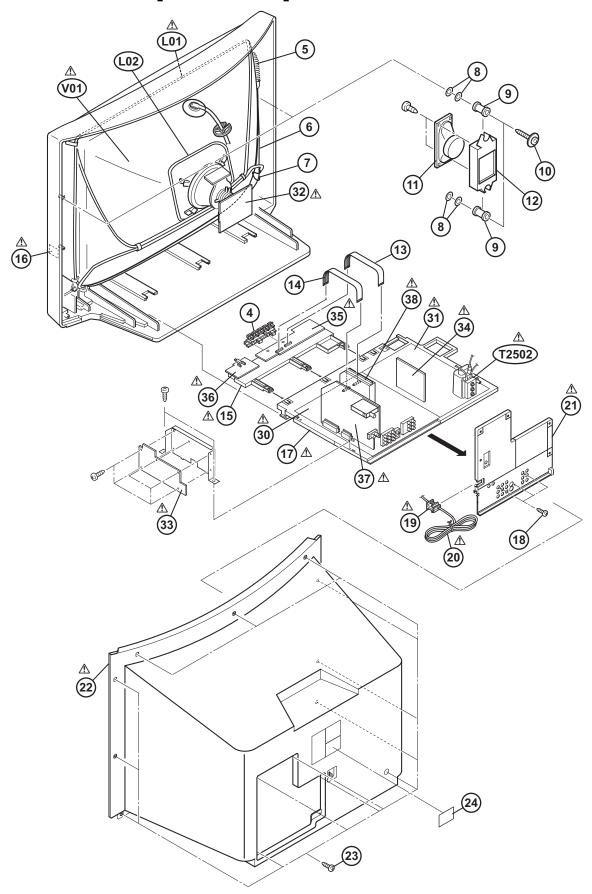
EXPLODED VIEW -1 [AV-32S565/Y]



EXPLODED VIEW PARTS LIST -2 [AV-32S565/Y]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	V01 L01 L02 T2502 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A80AJZ90X33 QQW0116-001 QQW0152-001 QQH0166-001 LC20217-004B-A A48457-4-S WJY0016-002A WJY0013-003A CM48221-003-A LC40226-003A-H LC41029-001B-A QAS0148-001 LC20629-001B-A QUQ212-1318CL QUQ212-2518CL LC11172-002A-A GQ30034-001B-A LC11173-001G-A QYSBSB3010Z LC20106-001D-A QMPD390-200-JS LC11573-005A-A LC11339-002A-A QYSBSFG4016Z GQ30032-001A-A	PICTURE TUBE(ITC) DEG COIL CANCELLER COIL FB TRANSF CONTROL KNOB SPRING E-BRAIDED ASSY E-BRAIDED ASSY WASHER SPACER TAPPING SCREW SPEAKER SPEAKER HOLDER FFC WIRE CONTROL BASE WARNING LABEL CHASSIS BASE TAP SCREW POWER CORD CLAMP POWER CORD CLAMP POWER CORD (US/CA) TERMINAL BOARD REAR COVER TAP SCREW RATING LABEL	(x8) (x4) (x4) (x4) (x4) (x2) 13pin 18cm 25pin 18cm M3 x 10mm(x4) 2m BLACK M4 x 16mm(x14)	
A A A A A A A	30 31 32 33 34 35 36 37 38	SSC-1005A-M2 SSC-2003A-M2 SSC-3003A-M2 SSC-9003A-M2 SSC0H003A-M2 SSC0L003A-M2 SSC0L104A-M2 SSC0R003A-M2 SSC0R003A-M2 SSC0D003A-M2	MAIN PWB POWER & DEF PWB CRT SOCKET PWB LINE FILTER PWB DEF OSC PWB FRONT CONTROL PWB FRONT SW PWB RECEIVER PWB MI-COM & DIST MODULE PWB		

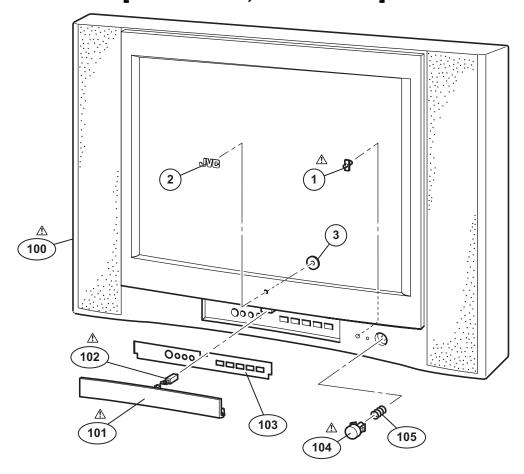
EXPLODED VIEW -2 [AV-32S565/Y]



EXPLODED VIEW PARTS LIST -1 [AV-32S575/Y, AV-32S585/Y]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1 2 3	LC32242-001A-A LC41540-001F QYNSS2000P	RC LENS JVC MARK PUSH NUT	M2	AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y
<u>↑</u>	100 100 101 102 103 104 105	LC11531-006A-A LC11531-005A-A LC21239-002A-A CM48229-00A-C LC32241-002B-A LC32240-001A-A CM36481-002A-A	FRONT CABINET ASSY FRONT CABINET ASSY DOOR DOOR LATCH OPERATION SHEET POWER KNOB SPRING	Inc.No.101-105 Inc.No.101-105 (x0)	AV-32S575/Y AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y

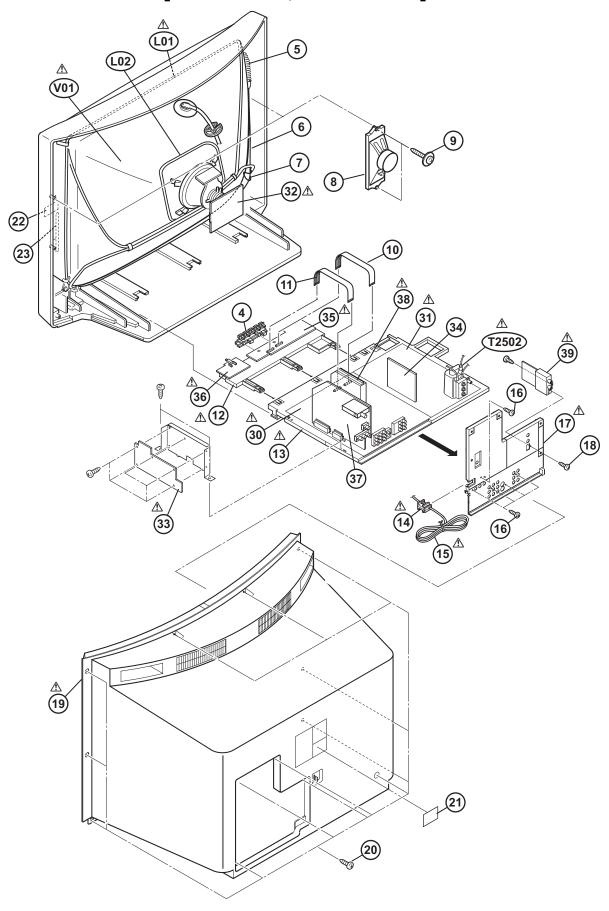
EXPLODED VIEW -1 [AV-32S575/Y, AV-32S585/Y]



EXPLODED VIEW PARTS LIST -2 [AV-32S575/Y, AV-32S585/Y]

⚠	Ref.No.	Part No.	Part Name	Description	Local
<u>A</u> <u>A</u>	L01 L02	A80AJZ90X33 QQW0116-001 QQW0152-001 QQH0166-001 LC21260-001B-A A48457-4-S WJY0016-002A WJY0013-003A QAS0232-001 LC41029-001B-A QUQ212-1318CL QUQ212-2518CL LC11564-001B-A	PICTURE TUBE(ITC) DEG COIL CANCELLER COIL FB TRANSF CONTROL KNOB SPRING E-BRAIDED ASSY E-BRAIDED ASSY SPEAKER TAPPING SCREW FFC WIRE FFC WIRE CONTROL BASE	Inc.DY, PC MAGNET, WEDGE SP01/SP02(x2) (x4) 13pin 18cm 25pin 18cm	AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y
	13 14 15 16 17 17 18 19 20 21 22 23	LC11304-001B-A LC11173-001G-A LC20106-001D-A QMPD390-200-JS QYSBSB3010Z LC11573-006A-A LC11573-004A-A QYSDSP3008Z LC11533-002B-A QYSBSFG4016M GQ30032-001A-A GQ30034-001B-A CM35757-009-A	CHASOL BASE POWER CORD CLAMP POWER CORD (US/CA) TAP SCREW TERMINAL BOARD TERMINAL BOARD SCREW REAR COVER TAP SCREW RATING LABEL WARNING LABEL STICK SHEET	2m BLACK M3 x 10mm(x5) M3 x 8mm M4 x 16mm(x13) (x2)	AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y
	30 30 31 32 33 34 35 36 37 38 39	SSC-1004A-M2 SSC-1003A-M2 SSC-2003A-M2 SSC-3003A-M2 SSC-9003A-M2 SSC0H003A-M2 SSC0L103A-M2 SSC0L103A-M2 SSC0R002A-M2 SSC0R002A-M2 SSC-7802A-M2 SSC-7801A-M2	MAIN PWB MAIN PWB POWER & DEF PWB CRT SOCKET PWB LINE FILTER PWB DEF OSC PWB FRONT CONTROL PWB FRONT SW PWB RECEIVER PWB MI-COM & DIST MODULE PWB DIGITAL INPUT MODULE PWB		AV-32S575/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y,AV-32S585/Y AV-32S575/Y

EXPLODED VIEW -2 [AV-32S575/Y, AV-32S585/Y]



PRINTED WIRING BOARD PARTS LIST [AV-32S565/Y]

MAIN F	P.W. BOARD AS	SS'Y (SSC-1005A-M2)	Ref No.	Part No.	Part Name	Description Local
IC1211 IC1212 IC1301 IC1501 IC1501 IC1561 IC1703 IC1801 IC1941 IC1942 IC1943 IC1981 IC1991 IC1993 IC3001	Part No. TA1318N SN74AHC2G08T-X AN15852A CXA2069Q M62320FP-X PQ033RD01SZ AN5277 AT24C128-32S565 MM1563DF-X PQ1CG21H2FZ SI-8050JD-W PQ1CY1032Z-W PQ070XH02Z-W PQ120RDA1SZ MM1565AF-X CXA2199Q 2SK2090-X	Part Name IC	Description Local (SERVICE)	D2205 D2206 D2207 D2209 D2210 D2212 D2213 D2214 D2215 D2216 D2217 D2218 D2219 D2220 D2402 D2404 D2405 D2421 D2422 D2422	MA8100/M/-X	Z DIODE	
Q0702 Q1232 Q1301 Q1302 Q1303 Q1511 Q1531 Q1668 Q1669 Q1671 Q1673 Q1674 Q1713 Q1714 Q1713 Q1714 Q1915 Q1961 Q1962 Q1964 Q1965 Q1984 Q1984 Q3001 Q3003 Q3003 Q3007 Q3007	29K2090-X 29K2090-X 29K309V-X 29K3837K/NP/-X 29K3837K/NP/-X 29K3837K/NP/-X UN2112-X 29K3928A/QR/-X UN2213-X 29K3928A/QR/-X UN2213-X 29K3928A/QR/-X 29K31530A/QR/-X 29K31530A/QR/-X 29K31530A/QR/-X 29K31530A/QR/-X 29K31530A/QR/-X 29K31530A/QR/-X UN2213-X UN2213-X UN2213-X UN2213-X 29K3928A/QR/-X	MOS FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR		C1213 C1214 C1215 C1216 C1219 C1301 C1302 C1303 C1303 C1305 C1306 C1307 C1308 C1309 C1311 C1312 C1313 C1321 C1322 C1333 C1324 C1325 C1333 C1324 C1325 C1333 C1324 C1325 C1333 C1325 C1333 C1333 C1352 C1352 C1352 C1352 C1352 C1352 C1352 C1352 C1352 C1352 C1352 C1353	QETN1CM-107Z QETN1HM-225Z QFLC1HJ-103Z NCF11CZ-475X NCB21CK-105X NCF11CZ-475X QETN1CM-107Z QETN1CM-107Z QETN1CM-107Z QETN1CM-107Z NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31HK-103X NCB21CK-105X NCB21CK-105X NCB21CK-105X NCB21CK-105X NCB21CK-105X NCB21CK-105X NCB31HK-103X	E CAPACITOR E CAPACITOR M CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	100uF 16V M 2.2uF 50V M 0.01uF 50V J 4.7uF 16V Z 1uF 16V K 4.7uF 16V Z 100uF 16V M 100uF 16V M 100uF 16V M 0.1uF 16V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 1uF 16V K 1uF 16V K 1uF 16V K 1uF 16V K 0.01uF 50V K
D1503 D1504 D1667 D1668 D1669 D1702 D1703 D1704 D1705 D1712 D1801 D1891 D1893 D1894 D1940 D1947 D1965 D1965 D1967 D1968 D1969 D1981 D1993 D2101 D2201 D2204	MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8082/M/-X MA8082/M/-X MA8082/M/-X MA8051/M/-X MA8051/M/-X MA8051/M/-X MA111-X EC30HA03L-X EC30HA03L-X EC30HA03L-X EC30HA03L-X PTZ18-B-X PTZ11B-X MA111-X	SI DIODE Z DIODE SI DIODE Z DIODE SI DIODE Z DIODE		C1354 C1355 C1361 C1362 C1363 C1364 C1365 C1371 C1372 C1381 C1382 C1391 C1392 C1403 C1404 C1405 C1406 C1409 C1411 C1412 C1415 C1416 C1417 C1418 C1417 C1418 C1423 C1430 C1431 C1432 C1433 C1434 C1445	NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1CM-336Z NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-106Z NCB31CK-104X NCB31CK-104X NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1HM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 60V K 33uF 16V M 0.1uF 16V K 33uF 16V M 0.1uF 16V K 1000uF 10V M 0.1uF 16V K 0.1uF 16V K 0.1uF 50V M 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 100uF 16V M 0.01uF 50V K 47uF 25V M 0.01uF 50V K 47uF 25V M 0.01uF 50V K 47uF 25V M 0.01uF 50V K 47uF 50V K 0.01uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C1446 C1448	NCB31HK-103X NCB31HK-102X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1000pF 50V K	C3006 C3007	QETN1HM-474Z NDC31HJ-471X	E CAPACITOR C CAPACITOR	0.47uF 50V M 470pF 50V J
C1448	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C3007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1450 C1451	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3009 C3010	QETN1HM-475Z QETN1HM-474Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 0.47uF 50V M
C1501	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3011	QETN1HM-474Z QETN1HM-474Z	E CAPACITOR E CAPACITOR	0.47uF 50V M
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3012	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1505 C1510	NCB31HK-103X QENC1CM-106Z	C CAPACITOR BP E CAPACITOR	0.01uF 50V K 10uF 16V M	C3013 C3014	NCB31HK-104X NCB31HK-104X	C CAPACITOR C CAPACITOR	0.1uF 50V K 0.1uF 50V K
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3015	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1531 C1532	NCB31CK-104X QETN1HM-226Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 22uF 50V M	C3017 C3018	QETN1HM-105Z NCB31HK-472X	E CAPACITOR C CAPACITOR	1uF 50V M 4700pF 50V K
C1539	NCB21CK-105X	C CAPACITOR	1uF 16V K	C3019	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1540 C1550	QETN1CM-107Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	100uF 16V M 0.1uF 16V Z	C3020 C3021	NCB21CK-105X NCB31HK-103X	C CAPACITOR C CAPACITOR	1uF 16V K 0.01uF 50V K
C1551 C1579	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3022	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1579 C1667	QETN1EM-476Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	47uF 25V M 4.7uF 50V M	C3023 C3024	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K
C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C3025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1669 C1670	NCB21CK-105X QETN1HM-475Z	C CAPACITOR E CAPACITOR	1uF 16V K 4.7uF 50V M	R0511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R0606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C1672 C1673	NCB21CK-105X QETN1HM-107Z	C CAPACITOR E CAPACITOR	1uF 16V K 100uF 50V M	R0705 R0706	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J
C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M	R0707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C1675 C1676	QFV21HJ-124Z QFV21HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J 0.12uF 50V J	R1202 R1203	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R1218	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C1678 C1679	QETN1EM-108Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	1000uF 25V M 4.7uF 50V M	R1219 R1220	NRSA63J-331X NRSA63J-101X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 100Ω 1/16W J
C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C1696 C1697	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M	R1226 R1228	NRSA63J-103X NRSA63J-222X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 2.2kΩ 1/16W J
C1702	NCB21CK-105X	C CAPACITOR	1uF 16V K	R1229	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C1712 C1802	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R1230 R1231	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 220Ω 1/16W J
C1803	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C1806 C1941	NCB31HK-471X QETN1EM-477Z	C CAPACITOR E CAPACITOR	470pF 50V K 470uF 25V M	R1234 R1236	NRSA63J-562X NRSA63J-222X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 2.2kΩ 1/16W J
C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	R1301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C1943 C1944	NCB31EK-104X QETN1EM-108Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 1000uF 25V M	R1302 R1303	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J
C1945	QEZ0256-228	E CAPACITOR	2200uF 10V M	R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C1946 C1947	NCB31EK-104X QETN1CM-477Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 470uF 16V M	R1374 R1375	NRSA63J-471X NRSA63J-470X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 47Ω 1/16W J
C1948	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R1382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C1949 C1950	QETN0JM-108Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	1000uF 6.3V M 1000uF 6.3V M	R1384 R1385	NRSA63J-471X NRSA63J-470X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 47Ω 1/16W J
C1951	QETN1VM-477Z	E CAPACITOR	470uF 35V M	R1392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C1952 C1953	QEZ0256-128 QETN0JM-228Z	E CAPACITOR E CAPACITOR	1200uF 10V M 2200uF 6.3V M	R1394 R1395	NRSA63J-471X NRSA63J-470X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 47Ω 1/16W J
C1954	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	R1401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C1955 C1958	NCB31EK-104X OFTN1HM-1067	C CAPACITOR F CAPACITOR	0.1uF 25V K 10uF 50V M	R1402 R1407	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C1961	QETN1HM-106Z QETN1HM-105Z	E CAPACITOR E CAPACITOR	1uF 50V M	R1409	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C1981 C1984	QETN1CM-107Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	100uF 16V M 1000uF 6.3V M	R1510 R1511	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	R1513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C1991 C1992	QETN1EM-107Z QETN1CM-477Z	E CAPACITOR E CAPACITOR	100uF 25V M 470uF 16V M	R1514 R1515	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 5.6kΩ 1/16W J
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C1995 C1996	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K	R1521 R1522	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C2103 C2104	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	R1524 R1525	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C2106 C2123	NCB11CK-225X NCB31HK-103X	C CAPACITOR C CAPACITOR	2.2uF 16V K 0.01uF 50V K	R1527 R1528	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
C2124	NCB21CK-105X	C CAPACITOR	1uF 16V K	R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C2126 C2127	NCB21CK-105X NCB11CK-225X	C CAPACITOR C CAPACITOR	1uF 16V K 2.2uF 16V K	R1533 R1534	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C2144 C2145	NCB21CK-105X NCB11CK-225X	C CAPACITOR C CAPACITOR	1uF 16V K 2.2uF 16V K	R1536 R1537	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C2301 C2302	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	R1539 R1547	NRSA63J-682X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 0Ω 1/16W J
C2303	NCB21CK-105X	C CAPACITOR	1uF 16V K	R1548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C2321 C2322	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	R1549 R1560	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J
C2323	NCB21CK-105X	C CAPACITOR	1uF 16V K	R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C3001 C3002	QETN1EM-476Z NCB31HK-104X	E CAPACITOR C CAPACITOR	47uF 25V M 0.1uF 50V K	R1571 R1577	NRSA63J-0R0X NRSA63J-221X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 220Ω 1/16W J
C3003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C3004 C3005	QETN1EM-476Z NDC31HJ-120X	E CAPACITOR C CAPACITOR	47uF 25V M 12pF 50V J	R1579 R1580	NRSA63J-221X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 0Ω 1/16W J
			:				

R1552 NRSA3J.0RDK	ÆRef No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
RESERVICE MISSASSI-JURIAN								
### R192 WISSASSA JORAN M. GRESSTOR D. 03 1999 J. R241 WISSASSA JORAN M. GRESSTOR P. 759 1999 J. R251 WISSASSA JORAN M. GRESSTOR P. 759 1999 J. R251 WISSASSA JORAN M. GRESSTOR P. 759 1999 J. R251 WISSASSA JORAN M. GRESSTOR P. 759 1999 J. R251 WISSASSA JORAN M. GRESSTOR P. 759 1999 J. R251 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M. GRESSTOR P. 750 1999 J. R252 WISSASSA JORAN M.	R1583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2145	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R161 MRSA63-165X MG RESISTOR			MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	R2146 R2147	NRSA63J-224X NRSA63J-750X	MG RESISTOR MG RESISTOR	
Ref		NRSA63J-563X	MG RESISTOR				MG RESISTOR	
R1919 NRSAGL-95XX MG RESISTOR 9614.1189V J R2204 NRSAGL-95XX MG RESISTOR 0.1189V J R2107 NRSAGL-95XX MG RESISTOR 0.1189V J R21	R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2302	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1616 NRSA63-160X MG RESISTOR 00.1169/J R2205 NRSA63-170X MG RESISTOR 00.1169/J R2169 NRSA63-170X MG RESISTOR 00.1169/J R2169 NRSA63-170X MG RESISTOR 00.1169/J R2169 NRSA63-170X MG RESISTOR 00.1169/J R2206		NRSA63J-104X NRSA63J-563X	MG RESISTOR MG RESISTOR		R2303 R2304		MG RESISTOR MG RESISTOR	
R1650 MRSABJ-190X MG RESISTOR 104.0 116W J R2307 MRSABJ-190X MG RESISTOR 104.1 16W J R2308 MRSABJ-190X MG RESISTOR	R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R2305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
Refeigh MRSARS-1202X MG RESISTOR 2 244 116W J R2225 R1669 MRSARS-1202X R1669 MRSARS-1202X MG RESISTOR 754 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 754 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 2 244 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 2 244 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 2 244 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 2 244 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 2 244 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 2 244 116W J R2225 R1669 MRSARS-1202X MG RESISTOR 1 244 116W J R2225 R1669 MRSARS-1202X MG RESISTO	R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
REGISTOR RESISTOR					R2308 R2309		MG RESISTOR MG RESISTOR	
REGISTOR RESISTOR	R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2322	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1670 NR5A63_122X MR R58ISTOR 2 2.01 1/09 J R2328 NR5A63_176X MR R58ISTOR 7 750 1/169 J R1671 QR 1746_122X J WR P R58ISTOR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2325	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1672 GR1443-P2X		NRSA63J-682X NRSA63J-222X	MG RESISTOR MG RESISTOR		R2328	NRSA63J-0R0X NRSA63J-750X	MG RESISTOR MG RESISTOR	
R1673 ORK128-100X UNF C RESISTOR 163.178W J R3001 NRSA83-152X MG RESISTOR 154.0 170W J R1674 ORK PART 154 ORK					R2329			
R1890 NESAS3-12X MG RESISTOR 9,260 1/19W R3006 NESAS3-101X MG RESISTOR 1000 1/19W R1891 NESAS3-101X MG RESISTOR 1000 1/19W R3007 NESAS3-101X MG RESISTOR 3900 1/19W R3007 NESAS3-101X MG RESISTOR 3900 1/19W R3007 NESAS3-101X MG RESISTOR 3900 1/19W R3007 NESAS3-101X MG RESISTOR 1000 1/19W R3007 NESAS3-101X MG RESISTOR 3900 1/19W R3007 NESAS3-101X MG RESISTOR 1000 1/19W MG RESISTOR 1000 1/19W MG RESISTOR 1000 1/19W MG RESISTOR 1000 1/19W MG RESISTOR 1000	R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1862 NRSA83-101X MG RESISTOR 4762 178W J R3007 NRSA83-101X MG RESISTOR 3002 178W J R1869 NRSA83-394X MG RESISTOR 3002 178W J R3009 NRSA83-394X MG RESISTOR 1002 178W J R3009 NRSA83-394X MG RESISTOR 3002 178W J R3009 NRSA83-102X MG RESISTOR 1002 178W J R3009 NRSA83-302X MG RESISTOR				1kΩ 1/2W J 8.2kΩ 1/16W J			MG RESISTOR MG RESISTOR	
R1691 NRSA63-194X MG RESISTOR 1962-116W J R3090 NRSA63-191X MG RESISTOR 3902-116W J R1694 NRSA63-103X MG RESISTOR 1962-116W J R3011 NRSA63-101X MG RESISTOR 1962-116W J R3014 NRSA63-101X MG RESISTOR 1962-116W J R3016 NRSA63-101X MG RESISTOR		NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1696 NRSA63-193X MG RESISTOR 1962 1/16W J R3012 NRSA63-193X MG RESISTOR 1621/16W J R1701 NRSA63-190X MG RESISTOR 62.116W J R3013 NRSA63-393X MG RESISTOR 3.38421/16W J R1701 NRSA63-190X MG RESISTOR 62.116W J R3014 NRSA63-393X MG RESISTOR 3.38421/16W J R3016 NRSA63-393X MG RESISTOR 10021/16W J R3016 NRSA63-103X MG RESISTOR 10021/16W J R3016 NRSA63-103	R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R3009	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R1696 NRSA63-147X MG RESISTOR 0.0 118W J R3013 NRSA63-393X MG RESISTOR 398.0 116W J R1702 NRSA63-1011 MG RESISTOR 0.0 118W J R3014 NRSA63-322X MG RESISTOR 1.56.1 116W J R1702 NRSA63-1011 MG RESISTOR 0.0 118W J R3015 NRSA63-102X MG RESISTOR 1.56.1 116W J R3015 NRSA63-102X MG RESISTOR 1.56.1 116W J R3015 NRSA63-102X MG RESISTOR 1.56.1 116W J R3016 NRSA63-102X MG RESISTOR 0.0 116W J R3016 NRSA63-102X MG RESISTOR 0.0 116W J R3016 NRSA63-102X MG RESISTOR 0.0 116W J R3017 NRSA63-102X MG RESISTOR 0.0 116W J R3018 NRSA63-102X MG RE					R3011 R3012		MG RESISTOR MG RESISTOR	
R1702 NRSABASI-101X MG RESISTOR 1000-116W J R3015 NRSABASI-101X MG RESISTOR 1.5kc.116W J R3014 NRSABASI-101X MG RESISTOR 1000-116W J R3014 NRSABASI-101X MG RESISTOR 1000-116W J R3014 NRSABASI-101X MG RESISTOR 1001-116W J R3017 NRSABASI-101X MG RESISTOR 101 116W J R3017 NRSABASI-101X MG RESISTOR 102 116W J R3017 NRSABSI-101X MG RESISTOR 102 116W J R3018 NRSABSI-101X MG RESISTOR 102 116W J R3019 NRSABSI-101X MG RESISTOR 102 116W J R3019 NRSABSI-101X MG RESISTOR 102 116W J R3019 NRSABSI-101X MG RESISTOR 2.2kcl.116W J R3019 NRSABSI-101X MG RESISTOR 1001 116W J R3019 NRSABSI-101X MG RESISTOR 100	R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3013	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R1704 NRSA63J-102X MG RESISTOR 4.7kD 116W J R3017 NRSA63J-102X MG RESISTOR 00.116W J R1712 NRSA63J-102X MG RESISTOR 4.7kD 116W J R3019 NRSA63J-102X MG RESISTOR 00.116W J R3019 NRSA63J-101X MG RESISTOR 1000.116W J R3019 NRSA63	R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3015	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1706 NRSA63.472X MG RESISTOR 2762 1/16W J R3018 NRSA63.470X MG RESISTOR 02 1/16W J R1713 NRSA63.472X MG RESISTOR 2762 1/16W J R3021 NRSA63.472X MG RESISTOR 2762 1/16W J R3021 NRSA63.472X MG RESISTOR 1262 1/16W J R3022 NRSA63.332X MG RESISTOR 1262 1/16W J R3022 NRSA63.332X MG RESISTOR 1262 1/16W J R3022 NRSA63.471X MG RESISTOR 22.04 1/16W J R3022 NRSA63.471X MG RESISTOR 22.04 1/16W J R3022 NRSA63.471X MG RESISTOR 1262 1/16W J R3032 NRSA633.102X MG RESISTOR 1262 1/16W J R3032 NRSA633.	R1703 R1704	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J	R3016 R3017	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J
R1713 NRSA83-123X MG RESISTOR 12kQ 116W J R3023 NRSA83-323X MG RESISTOR 2 2kQ 116W J R1715 NRSA83-312X MG RESISTOR 12kQ 116W J R3025 NRSA83-3-12X MG RESISTOR 2 2kQ 116W J R3025 NRSA83-471X MG RESISTOR 3 304 116W J R3025 NRSA83-101X MG RESISTOR 3 304 116W J R3025 NRSA83-101X MG RESISTOR 3 304 116W J R3025 NRSA83-101X MG RESISTOR 1 304 116W J R3025 NRSA83-101X MG RESIS	R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1715 NRSA63-J333X MG RESISTOR 33κΩ 116W J R3025 NRSA63-J471X MG RESISTOR 470Ω 116W J R1991 NRSA63-J221X MG RESISTOR 220Ω 116W J R3029 NRSA63-J101X MG RESISTOR 100Ω 116W J R1991 NRSA63-J221X MG RESISTOR 220Ω 116W J R3029 NRSA63-J101X MG RESISTOR 100Ω 116W J R1994 NRSA63-J221X MG RESISTOR 220Ω 116W J R3029 NRSA63-J101X MG RESISTOR 100Ω 116W J R1994 NRSA63-J221X MG RESISTOR 220Ω 116W J R3029 NRSA63-J101X MG RESISTOR 100Ω 116W J R1994 NRSA63-J221X MG RESISTOR 220Ω 116W J R3029 NRSA63-J103X MG RESISTOR 100Ω 116W J R1995 NRSA63-J563X MG RESISTOR 56κΩ 116W J R3032 NRSA63-J103X MG RESISTOR 56κΩ 116W J R3033 NRSA63-J103X MG RESISTOR 56κΩ 116W J R3033 NRSA63-J102X MG RESISTOR 100Ω 116W J R3033 NRSA63-J102X MG RESISTOR 100Ω 116W J R3034 NRSA63-J102X MG RESISTOR 100Ω 116W J R3044 NRSA63-J102X MG RESISTOR 100Ω 116W J R3034 NRSA63-J102X MG RESISTOR 100Ω 116W J R30	R1713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R3021	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1801 NRSA63-J-DRIX MG RESISTOR 0Ω 1168V J R3026 NRSA63-J-101X MG RESISTOR 330Ω 1168V J R1892 NRSA63-J-221X MG RESISTOR 220Ω 1168V J R3027 NRSA63-J-101X MG RESISTOR 100Ω 1168V J R1892 NRSA63-J-221X MG RESISTOR 220Ω 1168V J R3029 NRSA63-J-101X MG RESISTOR 100Ω 1168V J R1894 NRSA63-J-21X MG RESISTOR 220Ω 1168V J R3029 NRSA63-J-101X MG RESISTOR 100Ω 1168V J R1895 NRSA63-J-21X MG RESISTOR 220Ω 1168V J R3032 NRSA63-J-103X MG RESISTOR 100Ω 1168V J R1895 NRSA63-J-21X MG RESISTOR 220Ω 1168V J R3032 NRSA63-J-03X MG RESISTOR 60Ω 1169V J R3033 NRSA63-J-03X MG RESISTOR 60Ω 1169V J R3033 NRSA63-J-62X MG RESISTOR 60Ω 1169V J R3033 NRSA63-J-03X MG RESISTOR 60Ω 1169V J R3034 NRSA63-J-103X MG RESISTOR 60Ω 1169V J R3040 NRSA6	R1714 R1715	NRSA63J-123X NRSA63J-333X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 33kΩ 1/16W J	R3023 R3025		MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 470Ω 1/16W J
R1892 NRSA63J-221X MG RESISTOR 220Ω 1/16W J R3028 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1895 NRSA63J-221X MG RESISTOR 220Ω 1/16W J R3032 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1896 NRSA63J-221X MG RESISTOR 220Ω 1/16W J R3032 NRSA63J-02X MG RESISTOR 100Ω 1/16W J R1896 NRSA63J-63X MG RESISTOR 56Ω 1/16W J R3033 NRSA63J-02X MG RESISTOR 100Ω 1/16W J R3035 NRSA63J-02X MG RESISTOR 100Ω 1/16W J R3035 NRSA63J-102X MG RESISTOR 100Ω 1/16W J R3035 NRSA63J-102X MG RESISTOR 100Ω 1/16W J R3036 NRSA63J-102X MG RESISTOR 100Ω 1/16W J L3046 QQCA6AX-2002 CHOKE COIL 100Ω 1/16W J R3036 NRSA63J-102X MG RESISTOR 100Ω 1/16W J L3046 QQCA6AX-2002 CHOKE COIL 220Ω 1/16W J L3046 QQCA6AX-2002 CHOKE COIL 220Ω 1/16W J L3046 QQCA6AX-2002	R1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3026	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1895 NRSA63J-221X Mg RESISTOR 2200 1/16W J R3032 NRSA63D-103X Mg RESISTOR 6.8kg 1/16W J R3031 NRSA63J-602X Mg RESISTOR 6.8kg 1/16W J R3031 NRSA63J-102X Mg RESISTOR 6.8kg 1/16W J R3031 NRSA63J-102X Mg RESISTOR 1kg 1/16W J R3031 NRSA63J-102X Mg RESISTOR 1kg 1/16W J R3031 NRSA63J-102X Mg RESISTOR 1kg 1/16W J R3038 NRSA63J-102X Mg RESISTOR 1kg 1/16W J R3038 NRSA63J-102X Mg RESISTOR 1kg 1/16W J R3040 NRSA63J-102X Mg RESISTOR 1kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3045 NRSA63J-102X Mg RESISTOR 1kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1002 QQL244K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1004 QQL264K-1002 PEAKING COIL 2/2UH K R3050 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1004 QQL264K-1002 PEAKING COIL 10UH K R3040 NRSA63J-102X Mg RESISTOR 1/2kg 1/16W J L1004 QQL264K-1002	R1892	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1896 NRSA63J-563X Mg RESISTOR 56k2 1/16W J R3033 NRSA63J-682X Mg RESISTOR 6.8k1 1/16W J R1993 NRSA63J-102X Mg RESISTOR 1k2 1/16W J R3036 NRSA63J-102X Mg RESISTOR 1k2 1/16W J R3036 NRSA63J-102X Mg RESISTOR 1k2 1/16W J R304 NRSA63J-102X Mg RESISTOR 12k0 1/16W D L1211 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-102X Mg RESISTOR 12k0 1/16W D L1211 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-102X Mg RESISTOR 1k2 1/16W J L1301 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-102X Mg RESISTOR 1k2 1/16W D L1401 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-102X Mg RESISTOR 1k2 1/16W D L1401 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-102X Mg RESISTOR 1k2 1/16W D L1402 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-102X Mg RESISTOR 8.2k1 1/16W D L1402 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-32X Mg RESISTOR 8.2k1 1/16W D L1402 QQL244K-1002 PEAKING COIL 10uH K R304 NRSA63J-32X Mg RESISTOR 8.2k1 1/16W D L1494 QQR1401-001 CHOKE COIL 33uH K R304 NRSA63J-224X Mg RESISTOR 8.2k1 1/16W D L1494 QQL264K-3002 CHOKE COIL 33uH K R305 NRSA63J-224X Mg RESISTOR 8.8k1 1/16W D L1494 QQL264K-3002 CHOKE COIL 22uH K R304 NRSA63J-102X Mg RESISTOR 1.8k1 1/16W D L1494 QQL264K-3002 CHOKE COIL 22uH K R304 NRSA63J-102X Mg RESISTOR 1.8k1 1/16W D L1494 QQL264K-2002 CHOKE COIL 22uH K R304 NRSA63J-302X Mg RESISTOR 1.8k1 1/16W J L1494 QQL264K-2002 CHOKE COIL 22uH K R304 NRSA63J-302X Mg RESISTOR 1.8k1 1/16W J L1494 QQL264K-2002 CHOKE COIL 22uH K R304 NRSA63J-302X Mg RES					R3029 R3032		MG RESISTOR MG RESISTOR	
R1930 NRSA83-1-102X MG RESISTOR 1kΩ 1/16W J R3038 NRSA83-1-102X MG RESISTOR 1kΩ 1/16W J	R1896	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R3033	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1942 NRSA630-122X MG RESISTOR 12kΩ 11/16W D	R1930	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1943 NRSA63D-123X MG RESISTOR 12\(\Omega\$ \Omega\$ \Omega\$ 1311 QQL244K-100Z PEAKING COIL 10\(\omega\$ \text{ 100H K} \) R1945 NRSA63L-102X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1302 QQL244K-100Z PEAKING COIL 10\(\omega\$ \text{ 100H K} \) R1945 NRSA63L-102X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1302 QQL244K-100Z PEAKING COIL 10\(\omega\$ \text{ 100H K} \) R1945 NRSA63L-102X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1401 QQL244K-100Z PEAKING COIL 10\(\omega\$ \text{ 100H K} \) R1949 NRSA63D-122X MG RESISTOR 1\(\omega\$ \text{ 124D 116W J} \) L1402 QQL264K-100Z CHOKE COIL 10\(\omega\$ \text{ 100H K} \) R1949 NRSA63D-122X MG RESISTOR 3\(\omega\$ \text{ 224D 116W J} \) L1942 QQR1401-001 CHOKE COIL 10\(\omega\$ \text{ 100H K} \) R1952 NRSA63L-224X MG RESISTOR 3\(\omega\$ \text{ 224D 116W J} \) L1942 QQR1401-001 CHOKE COIL 3\(\omega\$ \text{ 133D K} \) R1953 NRSA63L-224X MG RESISTOR 2\(\omega\$ \text{ 224D K 116W J} \) L1943 QQL26AK-330Z CHOKE COIL 3\(\omega\$ \text{ 234H K} \) R1959 NRSA63D-82X MG RESISTOR 1\(\omega\$ \text{ 146W J} \) L1945 QQL26AK-330Z CHOKE COIL 2\(\omega\$ \text{ 224H K} \) R1962 NRSA63L-562X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1945 QQL26AK-330Z CHOKE COIL 2\(\omega\$ \text{ 224H K} \) R1962 NRSA63L-562X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1947 QQR1401-001 CHOKE COIL 2\(\omega\$ \text{ 224H K} \) R1962 NRSA63L-362X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1949 QQL26AK-20Z CHOKE COIL 2\(\omega\$ \text{ 124H K} \) R1964 NRSA63L-22X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1949 QQL26AK-30Z CHOKE COIL 2\(\omega\$ \text{ 124H K} \) R1964 NRSA63L-22X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1949 QQL26AK-30Z CHOKE COIL 2\(\omega\$ \text{ 124H K} \) R1966 NRSA63L-22X MG RESISTOR 1\(\omega\$ \text{ 116W J} \) L1949 QQL26AK-30Z CHOKE COIL 2\(\omega\$ \text{ 124H K}	R1932 R1942		MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1.2kΩ 1/16W D	R3040	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1945 NRSA633-102X MG RESISTOR 1kΩ 1/16W J	R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D				
R1949 NRSA630-122X MG RESISTOR 1.2KΩ 1/16W D L1402 QQL26AK-100Z CHOKE COIL 10uH K R1950 NRSA630-22X MG RESISTOR 8.2kΩ 1/16W D L1941 QQR1401-001 CHOKE COIL R1952 NRSA631-331X MG RESISTOR 230Ω 1/16W J L1942 QQR1401-001 CHOKE COIL 33uH K R1957 NRSA631-224X MG RESISTOR 220KΩ 1/16W D L1943 QQL26AK-330Z CHOKE COIL 33uH K R1957 NRSA63D-682X MG RESISTOR 6.8kΩ 1/16W D L1944 QQL26AK-330Z CHOKE COIL 33uH K R1957 NRSA63D-182X MG RESISTOR 1.8kΩ 1/16W D L1944 QQL26AK-330Z CHOKE COIL 22uH K R1969 NRSA63D-102X MG RESISTOR 1.8kΩ 1/16W D L1945 QQL26AK-220Z CHOKE COIL 22uH K R1961 NRSA63D-102X MG RESISTOR 1.8kΩ 1/16W J L1946 QQL26AK-220Z CHOKE COIL 22uH K R1962 NRSA63D-182X MG RESISTOR 1.8kΩ 1/16W J L1946 QQL26AK-220Z CHOKE COIL 22uH K R1962 NRSA63D-182X MG RESISTOR 1.8kΩ 1/16W J L1946 QQL26AK-200Z CHOKE COIL 22uH K R1964 NRSA63D-102X MG RESISTOR 1.8kΩ 1/16W J L1948 QQL26AK-100Z CHOKE COIL 22uH K R1964 NRSA63D-102X MG RESISTOR 1.2kΩ 1/16W J L1940 QQL26AK-200Z CHOKE COIL 22uH K R1966 NRSA63D-102X MG RESISTOR 8.2kΩ 1/16W J L1950 QQL26AK-470Z CHOKE COIL 47uH K R1966 NRSA63D-102X MG RESISTOR 8.2kΩ 1/16W J L1950 QQL26AK-470Z CHOKE COIL 47uH K R1967 NRSA63D-102X MG RESISTOR 1.2kΩ 1/16W J L1951 QQL26AK-470Z CHOKE COIL 47uH K R1968 NRSA63D-102X MG RESISTOR 1.2kΩ 1/16W J L1953 QQL26AK-470Z CHOKE COIL 47uH K R1969 NRSA63D-102X MG RESISTOR 1.2kΩ 1/16W J L1953 QQL26AK-470Z CHOKE COIL 47uH K A7uH K R1969 NRSA63D-102X MG RESISTOR 1.2kΩ 1/16W J L1953 QQL26AK-470Z CHOKE COIL 47uH K A7uH	R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L1302	QQL244K-100Z	PEAKING COIL	10uH K
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R1953 NRSA63J-224X MG RESISTOR 220kΩ 1/16W D L1944 QQL26AK-330Z CHOKE COIL 33uH K R1957 NRSA63D-162X MG RESISTOR 1.8kΩ 1/16W D L1945 QQL26AK-20Z CHOKE COIL 22uH K R1959 NRSA63D-162X MG RESISTOR TkΩ 1/16W D L1945 QQL26AK-20Z CHOKE COIL 22uH K R1961 NRSA63J-162X MG RESISTOR TkΩ 1/16W J L1946 QQL26AK-20Z CHOKE COIL 22uH K R1962 NRSA63J-162X MG RESISTOR TkΩ 1/16W J L1947 QQR1401-001 CHOKE COIL 22uH K R1963 NRSA63J-182X MG RESISTOR TkΩ 1/16W J L1948 QQL26AK-20Z CHOKE COIL 10uH K R1964 NRSA63J-182X MG RESISTOR TkΩ 1/16W J L1949 QQL26AK-20Z CHOKE COIL 22uH K R1965 NRSA63J-102X MG RESISTOR TkΩ 1/16W J L1949 QQL26AK-20Z CHOKE COIL 22uH K R1966 NRSA63J-102X MG RESISTOR TkΩ 1/16W J L1950 QQL26AK-470Z CHOKE COIL 47uH K R1966 NRSA63J-122X MG RESISTOR TkΩ 1/16W J L1951 QQL26AK-470Z CHOKE COIL 47uH K R1967 NRSA63J-102X MG RESISTOR TkΩ 1/16W J L1952 QQL26AK-470Z CHOKE COIL 47uH K R1968 NRSA63J-102X MG RESISTOR TkΩ 1/16W J L1952 QQL26AK-470Z CHOKE COIL 47uH K R1968 NRSA63J-102X MG RESISTOR TkΩ 1/16W J L1952 QQL26AK-470Z CHOKE COIL 47uH K R1969 NRSA63J-102X MG RESISTOR TkΩ 1/16W J L1963 QR144X-100Z PEAKING COIL 10uH K R1971 QR1039J-180 MF RESISTOR TkΩ 1/16W J L3001 QQL244K-100Z PEAKING COIL 10uH K QR124H-100Z PEAKING COIL 10uH	R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D		QQR1401-001	CHOKE COIL	
R1959 NRSA63D-182X MG RESISTOR 1.8KΩ 1/16W J L1945 QQL26AK-220Z CHOKE COIL 22UH K R1961 NRSA63J-102X MG RESISTOR 1.6KΩ 1/16W J L1946 QQL26AK-220Z CHOKE COIL 22UH K R1962 NRSA63J-56ZX MG RESISTOR 5.6KΩ 1/16W J L1947 QQR1401-001 CHOKE COIL 10UH K R1963 NRSA63J-182X MG RESISTOR 1.8KΩ 1/16W J L1948 QQL26AK-200Z CHOKE COIL 10UH K R1964 NRSA63J-102X MG RESISTOR 2.2kΩ 1/16W J L1949 QQL26AK-200Z CHOKE COIL 2.2UH K R1965 NRSA63J-102X MG RESISTOR 1.6kΩ 1/16W J L1950 QQL26AK-470Z CHOKE COIL 47UH K R1966 NRSA63J-822X MG RESISTOR 8.2kΩ 1/16W J L1951 QQL26AK-470Z CHOKE COIL 47UH K R1966 NRSA63J-102X MG RESISTOR 8.2kΩ 1/16W J L1951 QQL26AK-470Z CHOKE COIL 47UH K R1968 NRSA63J-102X MG RESISTOR 1.2kΩ 1/16W J L1952 QQL26AK-470Z CHOKE COIL 47UH K R1968 NRSA63J-102X MG RESISTOR 1.2kΩ 1/16W J L1952 QQL26AK-470Z CHOKE COIL 47UH K R1969 NRSA63J-102X MG RESISTOR 1.2kΩ 1/16W J L1983 QRN143J-0R0X C RESISTOR 0Ω 1/4W J R1969 NRSA63J-102X MG RESISTOR 1.2kΩ 1/16W J L3002 QQL244K-100Z PEAKING COIL 1.0UH K ΔR1981 QRK126J-181X UNF C RESISTOR 1.2kΩ 1/16W D R1983 NRSA63D-222X MG RESISTOR 2.2kΩ 1/16W D R1983 NRSA63D-222X MG RESISTOR 2.2kΩ 1/16W D CN1002 QGB1506L1-16 CONNECTOR B-B (1-16) R1984 NRSA63D-183X MG RESISTOR 2.2kΩ 1/16W D CN1002 QGB1506L1-16 CONNECTOR B-B (1-16) ΔR1986 NRSA63J-80X MG RESISTOR 330Ω 1/2W J CN1005 QGB1506L1-16 CONNECTOR B-B (1-16) ΔR1986 NRSA63J-80X MG RESISTOR 330Ω 1/2W J CN1005 QGB1506J-1-15 CONNECTOR B-B (1-16) ΔR1986 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1506J-1-5 CONNECTOR B-B (1-15) R1992 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1506J-1-5 CONNECTOR B-B (1-55) R1992 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1506J-1-5 CONNECTOR B-B (1-55) R1992 NRSA63J-750X MG RESISTOR 75Ω 1/16	R1953	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L1943	QQL26AK-330Z	CHOKE COIL	
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R1963 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J L1948 QQL26AK-100Z CHOKE COIL 10uH K R1964 NRSA63J-223X MG RESISTOR 22kΩ 1/16W J L1950 QQL26AK-220Z CHOKE COIL 22uH K R1966 NRSA63J-102X MG RESISTOR 1.6kΩ 1/16W J L1950 QQL26AK-470Z CHOKE COIL 47uH K R1966 NRSA63J-822X MG RESISTOR 8.2kΩ 1/16W J L1951 QQL26AK-470Z CHOKE COIL 47uH K R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J L1951 QQL26AK-470Z CHOKE COIL 47uH K R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J L1983 QRN143J-0R0X CHOKE COIL 47uH K R1969 NRSA63J-102X MG RESISTOR 1.6kΩ 1/16W J L1983 QRN143J-0R0X CRESISTOR ΩΩ 1/4W J R1969 NRSA63J-102X MG RESISTOR 1.6kΩ 1/16W J L3001 QQL244K-100Z PEAKING COIL 10uH K R1971 QRT039J-1R0 MF RESISTOR 18ωΩ 1/2W J L3002 QQL244K-100Z PEAKING COIL 10uH K R1981 QR126J-181X UNF C RESISTOR 18ωΩ 1/2W J L3003 QQL244K-100Z PEAKING COIL 10uH K R1982 NRSA63D-222X MG RESISTOR 2.2kΩ 1/16W D R1984 NRSA63D-222X MG RESISTOR 2.2kΩ 1/16W D CN1002 QGB1506L1-16 CONNECTOR B-B (1-16) R1984 NRSA63D-183X MG RESISTOR 2.2kΩ 1/16W D CN1002 QGB1506L1-16 CONNECTOR B-B (1-16) R1985 NRSA63J-0R0X MG RESISTOR 330Ω 1/2W J CN1003 QGB1506L1-16 CONNECTOR B-B (1-16) AΔR1986 QRK126J-331X UNF C RESISTOR 330Ω 1/2W J CN1003 QGB1506L1-16 CONNECTOR B-B (1-16) R1991 NRSA63J-760X MG RESISTOR 470Ω 1/16W J CN1006 QGB1505J1-25 CONNECTOR B-B (1-55) R1992 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1006 QGB1509J1-55 CONNECTOR FFC/FPC (22uH K
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R1971 QRT039J-1R0 MF RESISTOR 1Ω 3W J L3002 QQL244K-100Z PEAKING COIL 10uh K	R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L1983	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
R1982 NRSA63D-222X MG RESISTOR 2.2kΩ 1/16W D R1983 NRSA63D-222X MG RESISTOR 2.2kΩ 1/16W D CN1001 QGB1506L1-16 CONNECTOR B-B (1-16) R1984 NRSA63D-183X MG RESISTOR 18kΩ 1/16W D CN1002 QGB1506L1-16 CONNECTOR B-B (1-16) R1985 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J CN1003 QGB1506L1-16 CONNECTOR B-B (1-16) ΔR1986 QRK126J-331X UNF C RESISTOR 330Ω 1/2W J CN1005 QGB1506L1-15 CONNECTOR B-B (1-15) R1991 NRSA63J-471X MG RESISTOR 470Ω 1/16W J CN1006 QGB1505J1-15 CONNECTOR B-B (1-15) R1992 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J CN1008 QGB1509J1-55 CONNECTOR B-B (1-55) R2102 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1008 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1009 QGB1509J1-55 CONNECTOR B-B (1-55) R2104 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100F QJB003-041404 SIN ID C-B WIRE R2104 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100F QJB003-041404 SIN ID C-B WIRE R2105 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J CN100F QGF1201C2-25 CONNECTOR FFC/FPC (1-25) R2105 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J CN100F QGF1201C2-13 CONNECTOR FFC/FPC (1-13) R2106 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J H1661 LC30145-003A HEAT SINK/AL-F/ R2107 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2101 QNN0521-001 PIN JACK V/L/R IN R2108 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2101 QNN0521-001 PIN JACK COMPONENT IN R2102 NRSA63J-750X MG RESISTOR 0Ω 1/16W J J2111 QNN0535-001 PIN JACK COMPONENT IN	R1971		MF RESISTOR	1Ω 3W J				10uH K
R1983 NRSA63D-222X MG RESISTOR 2.2kΩ 1/16W D CN1001 QGB1506L1-16 CONNECTOR B-B (1-16) R1984 NRSA63D-183X MG RESISTOR 18kΩ 1/16W D CN1002 QGB1506L1-16 CONNECTOR B-B (1-16) R1985 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J CN1003 QGB1506L1-16 CONNECTOR B-B (1-16) Δ R1986 QRK126J-331X UNF C RESISTOR 330Ω 1/2W J CN1005 QGB1505J1-15 CONNECTOR B-B (1-15) R1991 NRSA63J-471X MG RESISTOR 470Ω 1/16W J CN1006 QGB1505J1-25 CONNECTOR B-B (1-25) R1992 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J CN1008 QGB1509J1-55 CONNECTOR B-B (1-55) R2102 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1009 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100F QJB003-041404 SIN ID C-B WIRE R2104 NRSA63J-224X MG RESISTOR 75Ω 1/16W J CN100F </td <td></td> <td></td> <td></td> <td>180Ω 1/2W J 2 2kΩ 1/16W D</td> <td>L3003</td> <td>QQL244K-100Z</td> <td>PEAKING COIL</td> <td>10uH K</td>				180Ω 1/2W J 2 2kΩ 1/16W D	L3003	QQL244K-100Z	PEAKING COIL	10uH K
R1985 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J CN1003 QGB1506L1-16 CONNECTOR B-B (1-16) ΔR1986 QRK126J-331X UNF C RESISTOR 330Ω 1/2W J CN1005 QGB1505J1-15 CONNECTOR B-B (1-15) R1991 NRSA63J-471X MG RESISTOR 470Ω 1/16W J CN1006 QGB1505J1-25 CONNECTOR B-B (1-25) R1992 NRSA63J-750X MG RESISTOR 1.8kΩ 1/16W J CN1008 QGB1509J1-55 CONNECTOR B-B (1-55) R2102 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1009 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1009 QGB1509J1-55 CONNECTOR B-B (1-55) R2104 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100F QJB003-041404 SIN ID C-B WIRE R2105 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J CN100H QGF1201C2-25 CONNECTOR FFC/FPC (1-25) R2106 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J H1661	R1983	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D			CONNECTOR	
R1991 NRSA63J-471X MG RESISTOR 470Ω 1/16W J CN1006 QGB1505J1-25 CONNECTOR B-B (1-25) R1992 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J CN1008 QGB1509J1-55 CONNECTOR B-B (1-55) R2102 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1009 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100F QJB003-041404 SIN ID C-B WIRE R2104 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100G QGF1201C2-25 CONNECTOR FFC/FPC (1-25) R2105 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J CN100H QGF1201C2-13 CONNECTOR FFC/FPC (1-13) R2106 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J H1661 LC30145-003A HEAT SINK/AL-F/ R2107 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2101 QNN0521-001 PIN JACK V/L/R IN R2108 NRSA63J-750X MG RESISTOR 75Ω 1/16W J J2111 QNN0521-001	R1985	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	CN1003	QGB1506L1-16	CONNECTOR	B-B (1-16)
R1992 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J CN1008 QGB1509J1-55 CONNECTOR B-B (1-55) R2102 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN1009 QGB1509J1-55 CONNECTOR B-B (1-55) R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100F QJB003-041404 SIN ID C-B WIRE R2104 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100G QGF1201C2-25 CONNECTOR FFC/FPC (1-25) R2105 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J CN100H QGF1201C2-13 CONNECTOR FFC/FPC (1-13) R2106 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J H1661 LC30145-003A HEAT SINK/AL-F/ R2107 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2101 QNN0521-001 PIN JACK V/L/R IN R2108 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2111 QND0104-001 S JACK S IN R2122 NRSA63J-750X MG RESISTOR 75Ω 1/16W J J2121 QNN0535-001								
R2103 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100F QJB003-041404 SIN ID C-B WIRE R2104 NRSA63J-750X MG RESISTOR 75Ω 1/16W J CN100G QGF1201C2-25 CONNECTOR FFC/FPC (1-25) R2105 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J CN100H QGF1201C2-13 CONNECTOR FFC/FPC (1-13) R2106 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J H1661 LC30145-003A HEAT SINK/AL-F/ R2107 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2101 QNN0521-001 PIN JACK V/L/R IN R2108 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2111 QND0104-001 S JACK S IN R2122 NRSA63J-750X MG RESISTOR 75Ω 1/16W J J2121 QNN0535-001 PIN JACK COMPONENT IN	R1992	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	CN1008	QGB1509J1-55	CONNECTOR	B-B (1-55)
R2105 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J CN100H QGF1201C2-13 CONNECTOR FFC/FPC (1-13) R2106 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J H1661 LC30145-003A HEAT SINK/AL-F/ R2107 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2101 QNN0521-001 PIN JACK V/L/R IN R2108 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2111 QND0104-001 S JACK S IN R2122 NRSA63J-750X MG RESISTOR 75Ω 1/16W J J2121 QNN0535-001 PIN JACK COMPONENT IN	R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	CN100F	QJB003-041404	SIN ID C-B WIRE	
R2106 NRSA63J-224X MG RESISTOR 220kΩ 1/16W J H1661 LC30145-003A HEAT SINK/AL-F/ R2107 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2101 QNN0521-001 PIN JACK $V/L/R$ IN R2108 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J J2111 QND0104-001 S JACK S IN R2122 NRSA63J-750X MG RESISTOR 75Ω 1/16W J J2121 QNN0535-001 PIN JACK COMPONENT IN	R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	CN100H	QGF1201C2-13	CONNECTOR	
R2108 NRSA63J-0R0X MG RESISTOR 0 Ω 1/16W J J2111 QND0104-001 S JACK S IN R2122 NRSA63J-750X MG RESISTOR 75 Ω 1/16W J J2121 QNN0535-001 PIN JACK COMPONENT IN	R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	H1661	LC30145-003A	HEAT SINK/AL-F/	,
	R2108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	J2111	QND0104-001	S JACK	S IN

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
K1943 K1944 LC1301 LC1302 LC1303 LC2321 LC2322 LC2323	QRN143J-0R0X QRN143J-0R0X QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001	C RESISTOR C RESISTOR EMI FILTER EMI FILTER EMI FILTER EMI FILTER EMI FILTER EMI FILTER	0Ω 1/4W J 0Ω 1/4W J	D2945 D2946 D2947 D2972 D2973 D2975 D2978	1SS133-T2 1SS133-T2 1SS133-T2 MTZJ15B-T2 1SS133-T2 MTZJ3.3B-T2 AU01Z-T2	SI DIODE SI DIODE SI DIODE Z DIODE SI DIODE Z DIODE FR DIODE	
SL1211 X3001 X3002	CSB503F30-T2 CE41651-001Z QAX0529-001	C RESONATOR CRYSTAL C RESONATOR	500.00kHz	C2201 C2401 C2402 C2407 C2408	QFVF1HJ-334Z QETN1HM-105Z QFN31HJ-102Z QETN1HM-105Z QFVM2AJ-474Z	MF CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR MF CAPACITOR	0.33uF 50V J 1uF 50V M 1000pF 50V J 1uF 50V M 0.47uF 100V J
DOWED	2 DEE DW B	OARD ASS'Y (SSC-	2003 V M2)	C2409 C2411	QETN1HM-106Z QCB31HK-222Z	E CAPACITOR C CAPACITOR	10uF 50V M 2200pF 50V K
		•	•	C2412	QETN1HM-226Z	E CAPACITOR	22uF 50V M
⚠Ref No.	Part No.	Part Name	Description Local	C2420 C2421	QFVM2AJ-474Z QFVM2AJ-224Z	MF CAPACITOR MF CAPACITOR	0.47uF 100V J 0.22uF 100V J
IC2402 IC2911 IC2921 IC2922	STV9380 STR-X6737M-F2 SE140N L7805CP	IC IC IC		C2422 C2423 C2424 C2425 C2426 C2429	QCB32HK-561Z QETN1CM-227Z QFVF1HJ-104Z QFN31HJ-472Z QFVM2AJ-224Z QETN1HM-107Z	C CAPACITOR E CAPACITOR MF CAPACITOR M CAPACITOR MF CAPACITOR E CAPACITOR	560pF 500V K 220uF 16V M 0.1uF 50V J 4700pF 50V J 0.22uF 100V J 100uF 50V M
Q2401 Q2402 Q2501 Q2502 ♠Q2503 Q2521 Q2531 Q2532 Q2533 Q2921 Q2922 Q2923 Q2923 Q2924 Q2925 Q2926 Q2927 Q2928 Q2928	KTC3199/YG/-T KTC3199/YG/-T KTC3199/YG/-T 2SC5905-RL KTC3199/YG/-T RDN080N25 2SC1959/Y/-T ZSA562TM/Y/-T KTC3199/YG/-T	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POWER MOS FET TRANSISTOR		C2430 C2431 C2432 C2433 C2434 C2435 C2501 C2502 C2503 C2504 C2505 C2506 C2506 C2507 C2508 C2509 C2510 C2511 C2511	QCS31HJ-471Z QFVF1HJ-104Z QCS31HJ-151Z QETN1EM-477Z QETN1EM-477Z QETN1EM-476Z QFVF1HJ-224Z QFW61HK-106Z QCB32HK-152Z QCB32HK-152Z QCB32HK-102Z QFZ0122-682 QFZ0122-682 QFZ019Z-104 QFZ0197-104 QFZ0197-154 QFZ0198-204 QFZ0128-84	C CAPACITOR MF CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR MPP CAPACITOR	470pF 50V J 0.1uF 50V J 150pF 50V J 470uF 25V M 470uF 25V M 470uF 35V M 470uF 25V M 0.22uF 50V J 10uF 50V K 1500pF 500V K 1500pF 500V K 6800pF 1.8kV H 6800pF 1.8kV H 0.015uF 630V J 0.1uF 250V J 0.1uF 250V J 0.2uF DC400V H 0.18uF DC400V H
Q2971 D2201 D2403 D2404 D2405 D2406 D2408 D2501 D2502 D2504 D2506 D2521 D2522 D2531 D2561 D2801 D2802 D2803 D2812 AD2901 D2906 AD2911 D2912 D2913 D2914 D2915 D2917 D2920 D2921 D2922 D2923 D2924 D2926 D2928 D2929 D2928 D2929 D2930 D2931 D2932 D2934 D2935 D2934 D2935 D2934 D2935 D2936 D2934 D2935 D2936 D2934 D2935 D2936 D2941	2SA1208/ST/Z1-T 1SR35-400A-T2 1SS133-T2 MTZJ6.8A-T2 1SS133-T2 MTZJ3.3A-T2 1SS133-T2 RG2A-LFC4 1SS133-T2 RG2A-LFC4 1SS133-T2 RGP10J-04TS-T3 MA4068N/Z1/-T2 RGP10J-04TS-T3 RGP10J-04TS-T3 RH1S-LFA1 1SR124-400A-T2 RBY-606 1SR35-400A-T2 RBY-606 1SR35-400A-T2 RBY-606 1SR35-400A-T2 RBY-606 1SR35-400A-T2 RBY-606 1SR35-400A-T2 RSP10J-04TS-T3 AU01Z-T2 AU01Z-T2 AU01Z-T2 1SS133-T2 MTZJ33B-T2 MTZJ33B-T2 MTZJ33B-T2 MTZJ33B-T2 MTZJ33B-T2 MTZJ16-8C-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 RGP10J-04TS-T3 1SS133-T2	TRANSISTOR SI DIODE SI DIODE Z DIODE Z DIODE SI DIODE Z DIODE Z DIODE SI DIODE		C2513 C2514 C2521 C2522 C2523 C2524 C2525 C2526 C2526 C2526 C2523 C2524 C2526 C2526 C2527 C2526 C2528 C2528 C2528 C25291 C2701 C2801 C2802 C2803 C2811 △C2905 △C2907 △C2908 C2907 △C2908 C2909 C2911 C2912 C2913 C2914 C2917 C2919 C2917 C2919 C2922 C2923 C2923 C2924 C2931 C2932 C2931 C2932 C2931 C2932 C2931 C2932 C2933 C2924 C2933 C2934 C2937 C2939 C2940 C2940 C2942 C2943 C2948	QEZ0414-226 QCS32HJ-561 QCZ0340-331 QRE141J-0R0Y QFN32AJ-682Z QCS32HJ-470Z QFN31HJ-682Z QETN1CM-107Z QCS32HJ-561 QFN32DK-222Z QFN32DK-472Z QEZ0203-107 QFLC2AJ-333Z QETM1EM-228 QETM1EM-228 QETM1EM-228 QETN12EM-106Z QCZ9054-102 QCZ0340-102 QCS31HJ-181Z QETN1HM-226Z QFN31HJ-472Z QFN31HJ-181Z QEZ0257-228	BP E CAPACITOR C CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR M CAPACITOR E CAPACITOR	22uF 50V M 560pF 500V J 330pF 2kV K 002 1/4W J 6800pF 100V J 47pF 500V J 6800pF 50V J 100uF 16V M 560pF 500V J 2200pF 200V K 4700pF 200V K 4700pF 20V M 0.033uF 100V J 2200uF 25V M 2200uF 25V M 100uF 63V M 100uF 63V M 100uP AC250V Z 1000pF AC250V Z 820uF 25V V 32uF 50V M 1000pF AC250V Z 820uF 25V M 1000pF AC250V Z 0.1uF 50V J 22uF 50V M 1500pF 2kV K 470pF 50V J 0.01uF 400V J 0.056uF 50V J 0.01uF 400V J 0.056uF 50V J 22uF 50V M 180pF 50V J 22uF 50V M 180pF 50V J 22uF 50V M 1000pF 2kV K 470pF 50V J 0.01uF 400V J 0.056uF 50V J 0.01uF 400V J 0.056uF 50V J 220uF 50V M 1000pF 50V J 220uF 160V M 1000pF 50V M 1000pF 35V M 1000pF 50V M 1000pF 35V M 100pF 35V M 100pF 35V M

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C2951	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R2930	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R2931	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
C2959 C2971	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R2932	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
C2972	QETN1HM-476Z	E CAPACITOR	47uF 50V M	R2933	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
C2973	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R2934	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
∆C2991	QFZ9078-104	MPP CAPACITOR	0.1uF 275V M	R2936	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
∆C2993	QCZ9074-472	C CAPACITOR	4700pF AC250V M	R2937	QRE141J-103Y	C RESISTOR	
∆ C2994	QCZ9074-472	C CAPACITOR	4700pF AC250V M	R2938	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J 10kΩ 1/4W J
∆C2995	QCZ9074-472	C CAPACITOR	4700pF AC250V M	R2939	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J
∆C2997	QCZ9074-472	C CAPACITOR	4700pF AC250V M	R2940	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
∆ C2998	QCZ9074-472	C CAPACITOR	4700pF AC250V M	R2942	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
∆ C2999	QCZ9074-472	C CAPACITOR	4700pF AC250V M	R2943 R2944	QRE141J-104Y QRE141J-122Y	C RESISTOR C RESISTOR	100kΩ 1/4W J 1.2kΩ 1/4W J
R2201	QRA14CF-1003Y	CMF RESISTOR	100kΩ 1/4W F	R2945	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J
R2202	QRA14CF-5603Y	CMF RESISTOR	560kΩ 1/4W F	R2946	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R2203	QRA14CF-5603Y	CMF RESISTOR	560kΩ 1/4W F	R2949	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
R2401	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	R2950	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R2404	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	R2955	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J
R2405	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	R2956	QRE141J-124Y	C RESISTOR	120kΩ 1/4W J
R2406	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	R2957	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J
R2407	QRE141J-821Y	C RESISTOR	820Ω 1/4W J	R2958	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J
R2408	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	R2959	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R2409	QRL029J-331	OMF RESISTOR	330Ω 2W J	R2961	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R2410	QRT029J-1R0	MF RESISTOR	1Ω 2W J	R2964	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J
R2411	QRE121J-1R5Y	C RESISTOR	1.5Ω 1/2W J	R2972	QRA14CF-1201Y	CMF RESISTOR	1.2kΩ 1/4W F
R2412	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	R2973	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R2413	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	R2975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R2415	QRE141J-154Y	C RESISTOR	150kΩ 1/4W J	R2977	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
R2416	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	R2978	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J
R2418	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	R2982	QRG01GJ-220	OMF RESISTOR	22Ω 1W J
R2420	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	∆R2999	QRZ0111-685	C RESISTOR	6.8MΩ 1/2W K
R2421 R2440	QRE141J-123Y QRG01GJ-221	C RESISTOR OMF RESISTOR	12kΩ 1/4W J 220Ω 1W J	L2401	QQR1343-003	CHOKE COIL	
R2441	QRE121J-151Y	C RESISTOR	150Ω 1/2W J	L2501	QQLZ025-180	CHOKE COIL	18uH
R2442	QRE121J-151Y	C RESISTOR	150Ω 1/2W J	L2502	QQR1408-001	CHOKE COIL	
R2443	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	L2504	QQR1149-004	LINEARITY COIL	
R2444	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	L2531	QQLZ036-222	COIL	2.2mH J
R2445	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	L2701	QQLZ036-222	COIL	2.2mH J
R2502	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	L2931	QQL26AK-330Z	CHOKE COIL	33uH K
R2503	QRE121J-151Y	C RESISTOR	150Ω 1/2W J	L2933	QQL26AK-330Z	CHOKE COIL	33uH K
R2504	QRE141J-100Y	C RESISTOR	10Ω 1/4W J	L2934	QQLZ026-260	COIL	26uH ±7%
R2505	QRL039J-100	OMF RESISTOR	10Ω 3W J	L2936	QQL26AK-330Z	CHOKE COIL	33uH K
R2506	QRL039J-100	OMF RESISTOR	10Ω 3W J	T2501	QQR1424-001	DRIVE TRANSF	
R2507	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	T2701	QQR1342-001	DAF TRANSF	
R2508	QRT039J-1R0	MF RESISTOR	1Ω 3W J	_∆T2921	QQS0282-001	SW TRANSF	
R2509	QRE121J-220Y	C RESISTOR	22Ω 1/2W J				D D (4.40)
R2512	QRL029J-821	OMF RESISTOR	820Ω 2W J	CN2001	QGB1506M1-16	CONNECTOR	B-B (1-16)
R2521	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	CN2002	QGB1506M1-16	CONNECTOR	B-B (1-16)
R2522	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	CN2003	QGB1506M1-16	CONNECTOR	B-B (1-16)
R2523	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	CN200L	CE41507-001P	LV CONNECTOR	
R2524	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	CN2010	QGB1505J1-35	CONNECTOR	B-B (1-35)
R2525	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	CN20E3	CE41507-001P	LV CONNECTOR	(1-6)
R2526	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	CN20HV	QGZ8005C1-06	CONNECTOR	
R2531	QRL029J-182	OMF RESISTOR	1.8kΩ 2W J	▲CP2934	ICP-N70-T	IC PROTECTOR	2.5A
R2533	QRL029J-820	OMF RESISTOR	82Ω 2W J		ICP-N70-T	IC PROTECTOR	2.5A
R2534	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	ΔF2905 ΔFR2801	QMFZ049-5R0Z-E	FUSE	5A 125V
R2535	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	 ∆FR2802	QRZ9011-3R3	FUSI RESISTOR	3.3Ω 1/2W J
R2536	QRE141J-470Y	C RESISTOR	47Ω 1/4W J		QRZ9011-3R3	FUSI RESISTOR	3.3Ω 1/2W J
R2541	QRL039J-472	OMF RESISTOR	4.7kΩ 3W J	∆ FR2803	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J
∆ R2561	QRA14CF-7871Y	CMF RESISTOR	7.87kΩ 1/4W F	∆ FR2804	QRT029J-R56	MF RESISTOR	0.56Ω 2W J
 ∆R2562	QRA14CF-1501Y QRE141J-223Y	CMF RESISTOR C RESISTOR	1.5kΩ 1/4W F		QRZ9011-4R7 LC31813-001A	FUSI RESISTOR	4.7Ω 1/2W J
R2565 R2591	QRZ0227-3R3	UNF WW RESISTOR	22kΩ 1/4W J 3.3Ω 10 K	H2503 H2506	LC30521-001A	HEAT SINK HEAT SINK/AL-F/	
R2701	QRL039J-220	OMF RESISTOR	22Ω 3W J	H2531	CEHT11B-002QS	HEAT SINK	
R2702	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	H2901	LC31682-001A	HEAT SINK/FE-P/	
R2703 R2901	QRZ0056-103Z QRF154K-1R0	COMP RESISTOR	10kΩ 1/2W K 1Ω 15W K	H2911 K2512	LC31211-001A QQR0621-002Z	HEAT SINK/AL-F/ FERRITE BEADS	
R2902	QRG01GJ-470	UNF WW RESISTOR OMF RESISTOR	47Ω 1W J	K2915	QQR0621-002Z	FERRITE BEADS	
R2904	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	K2918	QQR0621-002Z	FERRITE BEADS	
R2909	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	K2920	QQR1139-001	FERRITE BEADS	
R2911	QRL029J-333	OMF RESISTOR	33kΩ 2W J	K2930	QQR0621-002Z	FERRITE BEADS	
R2912	QRT029J-R15	MF RESISTOR	0.15Ω 2W J	K2931	QQR0621-002Z	FERRITE BEADS	
R2913	QRT029J-R18	MF RESISTOR	0.18Ω 2W J	K2935	QQR0621-002Z	FERRITE BEADS	
R2914	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	K2936	QQR0621-002Z	FERRITE BEADS	
R2915	QRE121J-330Y	C RESISTOR	33Ω 1/2W J	K2938	QQR0621-002Z	FERRITE BEADS	
∆R2917	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	K2939	QQR0621-002Z	FERRITE BEADS	
R2918	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	⚠PC2921	PC123Y22FZ	PHOTO COUPLER	
R2920	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	▲PC2922	PC123Y22FZ	PHOTO COUPLER	
R2921	QRE121J-560Y	C RESISTOR	56Ω 1/2W J	⚠RY2931	QSK0083-001	RELAY	
R2922	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	RY2941	QSK0083-001	RELAY	
R2923 R2924	QRE141J-473Y QRE121J-102Y	C RESISTOR	47kΩ 1/4W J 1kΩ 1/2W J	△TH2901	QAD0129-3R0	POSISTOR	3Ω
R2925	QRE141J-472Y	C RESISTOR C RESISTOR	4.7kΩ 1/4W J				
R2926 R2927	QRA14CF-1002Y QRE141J-123Y	CMF RESISTOR C RESISTOR	10kΩ 1/4W F 12kΩ 1/4W J				
R2928 R2929	QRA14CF-8200Y QRA14CF-2701Y	CMF RESISTOR CMF RESISTOR	820Ω 1/4W F 2.7kΩ 1/4W F				
LTATA	QIVA 140F-2/011	OWI NEOROTUR	2.1 N32 1/4VV F				

⚠Ref No.	Part No.	Part Name	Description Local
IC3101 IC3201 IC3301	TDA6111Q TDA6111Q TDA6111Q	IC IC IC	
Q3051 Q3052 Q3701 Q3702 Q3703 Q3704 Q3705 Q3706	2SC3928A/QR/-X 2SC3928A/QR/-X 2SC1906-T 2SA1005/MLK/-T 2SC1959/Y/-T 2SA562TM/Y/-T 2SJ407 2SK2381	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POWER MOS FET POWER MOS FET	
D3009 D3101 D3103 D3201 D3203 D3301 D3303 D3701 D3702 D3703	RM2C-LFA1 1SS244-T2 MA8150/M/-X 1SS244-T2 MA8150/M/-X 1SS244-T2 MA8150/M/-X 1SS355-X RGP10J-04TS-T3 RGP10J-04TS-T3	SI DIODE SI DIODE Z DIODE SI DIODE Z DIODE SI DIODE	
C3002 C3004 AC3009 C3011 C3101 C3102 C3103 C3104 C3106 C3107 C3201 C3202 C3203 C3204 C3205 C3206 C3207 C3210 C3301 C3302 C3303 C3304 C3307 C3701 C3701 C3702 C3703 C3704 C3707 C3708 C3709 C3711 C3712 C3713 C3716 C3716 C3717 C3718 C3719 C3720	QETN2EM-106Z QETN1CM-476Z QEZ9027-103 QETN2EM-106Z QETN1HM-106Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QFK62EK-104Z NDC31HJ-561X QETN1HM-106Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1HM-106Z NCB31HK-103X QETN1HM-106Z NCB31HK-103X QETN1HM-106Z NCB31HK-103X QETN1HM-106Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1EM-106Z NCB31HK-103X QETN2CM-106Z QETN1EM-106Z NCB31HK-102X QETN1EM-106Z NCB31HK-102X QETN1EM-106Z NCB31HK-103X QETN32DK-103 QETN32DK-103 QETN32DK-103 QETN32DK-103 QETN32DK-103 QETN32DK-103 QEN32DK-103 QEN32DK-103 QEN32DK-103 QEN32DK-103 QCB32HK-103 QCB32HK-103 QCB32HK-103	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR M CAPACITOR C C C C C C C C C C C C C C C C C C C	10uF 250V M 47uF 16V M 0.01uF 1000V K 10uF 250V M 10uF 250V M 10uF 50V M 0.01uF 50V K 47uF 25V M 0.01uF 50V K 0.1uF 250V K 560pF 50V J 10uF 50V M 0.01uF 50V K 47uF 25V M 0.01uF 50V K 33pF 50V J 0.1uF 250V K 560pF 50V J 47uF 25V M 0.01uF 50V K 33pF 50V J 0.1uF 250V K 560pF 50V J 47uF 25V M 0.01uF 50V K 560pF 50V J 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 20V K 0.01uF 20V K 0.047uF 50V K 0.047uF 50V K 0.047uF 50V K 0.01uF 200V K 0.01uF 500V K
R3009 R3010 R3011 R3012 R3028 R3029 R3030 R3052 R3055 R3054 R3055 R3101 R3103 R3104 R3107 R3108 R3201 R3202 R3203	QRZ0107-152Z NRSA63D-682X NRSA63D-562X NRSA63D-333X QRC122K-102 QRE121J-105Y QRL029J-823 NRSA63J-222X NRSA63J-822X NRSA63J-122X QRE141J-681Y NRSA63J-821X NRSA63J-332X QRL039J-473 NRSA63J-103X QRC121K-561Z NRSA63J-821X NRSA63J-391X NRSA63J-391X NRSA63J-332X	C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR COMP RESISTOR C RESISTOR OMF RESISTOR MG RESISTOR	$\begin{array}{c} 1.5 k\Omega \ 1/2 W \ K \\ 6.8 k\Omega \ 1/16 W \ D \\ 5.6 k\Omega \ 1/16 W \ D \\ 33 k\Omega \ 1/16 W \ D \\ 1k\Omega \ 1/2 W \ K \\ 1M\Omega \ 1/2 W \ K \\ 1M\Omega \ 1/2 W \ J \\ 82 k\Omega \ 2W \ J \\ 2.2 k\Omega \ 1/16 W \ J \\ 6.8 k\Omega \ 1/16 W \ J \\ 6.8 k\Omega \ 1/16 W \ J \\ 6.8 k\Omega \ 1/16 W \ J \\ 3.3 k\Omega \ 1/16 W \ J \\ 3.3 k\Omega \ 1/16 W \ J \\ 47 k\Omega \ 3W \ J \\ 10 k\Omega \ 1/16 W \ J \\ 560 \Omega \ 1/2 W \ K \\ 820 \Omega \ 1/16 W \ J \\ 390 \Omega \ 1/16 W \ J \\ 390 \Omega \ 1/16 W \ J \\ 3.3 k\Omega \ 1/16 W \ J \\ 3$

⚠Ref No.	Part No.	Part Name	Description Local
R3204 R3207 R3208 R3301 R3302 R3303 R3304 R3307 R3308 R3701 R3702 R3703 R3704 R3705 R3706 R3707 AR3711 AR3711 AR3711 AR3711 AR3711 AR3711 AR3711 R3711 R3712 R3712 R3720 R3720 R3721 R3721	QRL039J-473 NRSA63J-103X QRC121K-561Z NRSA63J-821X NRSA63J-321X NRSA63J-332X QRL039J-473 NRSA63J-103X QRC121K-561Z NRSA63J-101X NRSA63J-273X NRSA63J-32X NRSA63J-392X NRSA63J-391X NRSA63J-391X NRSA63J-391X NRSA63J-104X NRSA63J-104X NRSA63J-104X QRJ146J-470X QRJ146J-470X QRJ146J-470X QRJ146J-470X QRG1GJ-150 QRG01GJ-180 QRL039J-330 QRL039J-330 QRL039J-330 QRL039J-330	OMF RESISTOR MG RESISTOR COMP RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR UNF C RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR	47kΩ 3W J 10kΩ 1/16W J 560Ω 1/2W K 820Ω 1/16W J 220Ω 1/16W J 3.3kΩ 1/16W J 47kΩ 3W J 10kΩ 1/16W J 560Ω 1/2W K 100Ω 1/16W J 27kΩ 1/16W J 3.9kΩ 1/16W J 1.8kΩ 1/16W J 1.8kΩ 1/16W J 1.8kΩ 1/4W J 100kΩ 1/16W J 1.8kΩ 1/4W J 47Ω 1/4W J 15Ω 1W J 18Ω 1W J 33Ω 3W J 33Ω 3W J
R3724 R3727 R3728 L3001 L3002 L3003 L3004 L3101 L3201 L3301	NRSA63J-101X NRSA63J-104X NRSA63J-104X QQL26AJ-102Z QQL26AJ-102Z QQL26AJ-102Z QQL26AJ-102Z QQL244K-5R6Z QQL244K-5R6Z QQL244K-5R6Z	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR PEAKING COIL	100Ω 1/16W J 100kΩ 1/16W J 100kΩ 1/16W J 100kΩ 1/16W J 1mH J 1mH J 1mH J 5.6uH K 5.6uH K
CN300A CN300E CN300J CN30E2 H3101 H3201 H3705 H3706 K3701 K3702 SG3101 SG3201 SG3301 ΔSK3001	QJB003-043814 WJK0164-001A QJB003-064011 QUB130-46A6AS LC31150-002A LC31150-002A LC31150-002A CEHS12B-002Q CEHS12B-002Q QR1114-001Z QQR0582-001Z QAF0056-501Z QAF0056-501Z QAF0056-501Z QNZ0634-001	SIN ID C-B WIRE E-SI C WIRE C-B SIN ID C-B WIRE SIN TWIST WIRE HEAT SINK/AL-F1 HEAT SINK/AL-F1 HEAT SINK/AL-F1 HEAT SINK HEAT SINK FERRITE BEADS FERRITE BEADS SURGE ABSORBER SURGE ABSORBER SURGE ABSORBER CRT SOCKET	500V M 500V M 500V M

LINE FILTER P.W. BOARD ASS'Y (SSC-9003A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
↑C9901	QFZ9072-104	MM CAPACITOR MPP CAPACITOR MPP CAPACITOR MM CAPACITOR MPP CAPACITOR MPP CAPACITOR C RESISTOR	0.1uF AC250V K
↑C9901	QFZ9075-104		0.1uF AC275V M
↑C9901	QFZ9078-104		0.1uF 275V M
↑C9902	QFZ9072-104		0.1uF AC250V K
↑C9902	QFZ9075-104		0.1uF AC275V M
↑C9902	QFZ9078-104		0.1uF AC275V M
△F9901	QMF61U1-7R0-S	FUSE	7A AC125V
K9901	QQR0621-002Z	FERRITE BEADS	
△LF9901	QQR1407-002	LINE FILTER	
△LF9902	QQR1407-002	LINE FILTER	
△VA9901	ERZV10V621CS	ZNR	

ef No.	Part No.	Part Name	Description Local	-			
JI INU.	. ait ino.	i ait ivailie	Description Local	R0104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
0101	LA7860M-X	IC		R0105	NRSA63J-473X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J
0101	BA12FP-X			R0106 R0107	NRSA63J-123X NRSA63J-103X	MG RESISTOR	12kΩ 1/16W J 10kΩ 1/16W J
0161	AN5441SA-W	IC IC		R0109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
0162	BA10393F-XE	IC IC		R0110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
0163 0212	AN7805F CXA1875AM-X	IC IC		R0111 R0112	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
0212	CAA 107 SAIVI-A	10		R0112 R0113	NRSA63D-182X NRSA63D-123X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W D 12kΩ 1/16W D
0101	2SC3928A/QR/-X	TRANSISTOR		R0114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
0102	2SC3928A/QR/-X	TRANSISTOR		R0116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
)131)132	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		R0117 R0120	NRSA63J-332X NRSA63J-183X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 18kΩ 1/16W J
162	2SC3928A/QR/-X	TRANSISTOR		R0121	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
167	2SC3928A/QR/-X	TRANSISTOR		R0122	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
)168)751	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		R0123 R0126	QRK126J-101X NRSA63J-103X	UNF C RESISTOR MG RESISTOR	100Ω 1/2W J 10kΩ 1/16W J
752	2SC3928A/QR/-X	TRANSISTOR		R0120	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
753	2SC4632	POW TRANSISTOR		R0129	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
1464	1000EE V	CLDIODE		R0131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
)164)165	1SS355-X NRSA02J-0R0X	SI DIODE MG RESISTOR	0Ω 1/10W J	R0133 R0134	NRSA63J-151X NRSA63D-334X	MG RESISTOR MG RESISTOR	150Ω 1/16W J 330kΩ 1/16W D
170	1SS355-X	SI DIODE	022 1/1000 0	R0137	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
171	1SS355-X	SI DIODE		R0139	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
)221)222	1SS355-X 1SS355-X	SI DIODE SI DIODE		R0140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
223	MA8051/L/-X	Z DIODE		R0141 R0142	NRSA63J-472X NRSA63J-103X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 10kΩ 1/16W J
751	ES1F-LFG2	SI DIODE		R0143	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
752	ES1F-LFG2	SI DIODE		R0161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0162 R0163	NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J
1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0163 R0164	NRSA63J-101X NRSA63J-101X	MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
104	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R0167	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
106	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R0168	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
)107)108	NDC21HJ-122X QETN1HM-475Z	C CAPACITOR E CAPACITOR	1200pF 50V J 4.7uF 50V M	R0169 R0170	NRSA63J-332X NRSA63J-472X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 4.7kΩ 1/16W J
100	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0170 R0171	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
110	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R0172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
111	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R0174	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
112 113	QETN1HM-225Z NDC21HJ-122X	E CAPACITOR C CAPACITOR	2.2uF 50V M 1200pF 50V J	R0175 R0176	NRSA63J-102X NRSA63J-222X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 2.2kΩ 1/16W J
114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R0177	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R0178	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
1116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0179	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D
)117)118	QETN1CM-477Z NCB31HK-103X	E CAPACITOR C CAPACITOR	470uF 16V M 0.01uF 50V K	R0180 R0182	NRSA63D-152X NRSA63J-102X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W D 1kΩ 1/16W J
119	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R0183	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
120	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R0184	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D
)121	QETN1CM-477Z	E CAPACITOR	470uF 16V M 0.01uF 50V K	R0185	NRSA63D-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W D
1122 1123	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	R0186 R0187	NRSA63J-103X NRSA63J-472X	MG RESISTOR	10kΩ 1/16W J 4.7kΩ 1/16W J
124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0188	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D
131	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R0189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
132 133	QETN1HM-105Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	1uF 50V M 0.1uF 50V J	R0190 R0216	NRSA63J-181X NRSA63J-221X	MG RESISTOR MG RESISTOR	180Ω 1/16W J 220Ω 1/16W J
134	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R0210	NRSA63J-221X NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
135	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R0222	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
136	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R0223	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
137 138	NDC31HJ-102X NDC31HJ-181X	C CAPACITOR C CAPACITOR	1000pF 50V J 180pF 50V J	R0224 R0227	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J
161	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0230	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
163	QETN1AM-477Z	E CAPACITOR	470uF 10V M	R0321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
164 165	NCB31HK-103X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.1uF 16V K	R0751 R0752	NRSA63J-273X NRSA63J-103X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 10kΩ 1/16W J
166	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R0753	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
167	QFN31HJ-332Z	M CAPACITOR	3300pF 50V J	R0754	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
168	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0755	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
169 170	NCB31CK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 16V K 0.01uF 50V K	R0756 R0757	NRSA63J-392X NRSA63J-392X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 3.9kΩ 1/16W J
171	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	R0761	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
172	QFVF1HJ-105Z	MF CAPACITOR	1uF 50V J	R0762	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
173 175	NCB31HK-153X	C CAPACITOR C CAPACITOR	0.015uF 50V K	R0763	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
175 176	NCB31HK-152X QFVF1HJ-184Z	MF CAPACITOR	1500pF 50V K 0.18uF 50V J	R0764 R0765	QRE121J-184Y QRE121J-184Y	C RESISTOR C RESISTOR	180kΩ 1/2W J 180kΩ 1/2W J
178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	1.07.00	≪I\LIZIU-1UTI	3 NEGIOTOR	100/22 1/244 0
189	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	L0101	QQL244K-470Z	PEAKING COIL	47uH K
212	QETN1HM-106Z	E CAPACITOR	10uF 50V M	L0103	NQL092K-100X	COIL	10uH K
)221)222	QETN1HM-105Z QETN1HM-105Z	E CAPACITOR E CAPACITOR	1uF 50V M 1uF 50V M	L0104 L0105	NQL092K-100X QQL244K-470Z	COIL PEAKING COIL	10uH K 47uH K
)751	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	20100	~ «LE I III TI VE		770111
752	QETN1EM-476Z	E CAPACITOR	47uF 25V M	CN000L	QUB572-20FXPP	SIN TWIST WIRE	
753 761	QFZ0196-103	MPP CAPACITOR	0.01uF 1.5kV H	CN0010	QGB1505K1-35	CONNECTOR	B-B (1-35)
/ U I	QFZ0122-682	MPP CAPACITOR	6800pF 1.8kV H				

ÆRef No.	Part No.	Part Name	Description Loca
IC1101 IC1140	L7805CP CXA2205Q-X	IC IC	
Q1101 Q1102 Q1252 Q1253 Q1254 Q1255	2SA1530A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
D1140 D1141 D1145 D1146 D1251 D1252	MA8100/M/-X MA8100/M/-X MA8082/M/-X MA8082/M/-X MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE	
C1101 C1102 C1103 C1144 C1145 C1146 C1147 C1148 C1149 C1150 C1151 C1152 C1153 C1154 C1155 C1158 C1159 C1160 C1161 C1162 C1163 C1164 C1165 C1167 C1168 C1167 C1168 C1167 C1168 C1170 C1171 C1172 C1258	QETN1CM-477Z QETN1CM-107Z QETN1HM-106Z QETN1HM-106Z NCB31HK-223X NCB31HK-472X QENC1HM-475Z NCB31EK-104X NCB31HK-472X QENC1HM-475Z NCB31EK-104X QENC1HM-475Z NCB31HK-562X NCB31HK-562X NCB31HK-562X NCB31HK-572 QETN1HM-105Z QETN1HM-475Z QENC1HM-475Z	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR E CAPACITOR BP E CAPACITOR C CAPACITOR BP E CAPACITOR BP E CAPACITOR C CAPACITOR BP E CAPACITOR E CAPACITOR BP E CAPACITOR E CAPACITOR BP E CAPACITOR E CAPACITOR BP E CAPACITOR BP E CAPACITOR BP E CAPACITOR C CAPACITOR	470uF 16V M 100uF 16V M 10uF 50V M 10uF 50V M 0.022uF 50V K 4700pF 50V K 4.7uF 50V M 0.1uF 25V K 4700pF 50V K 4.7uF 50V M 0.1uF 25V K 4.7uF 50V M 0.1uF 25V K 4.7uF 50V M 5600pF 50V K 0.1uF 25V W 100uF 50V M 4.7uF 50V M 100uF 50V M 4.7uF 50V M 10uF 50V M
R0005 R0006 R0007 R0008 R1101 R1102 R1104 R1105 R1107 R1111 R1112 R1141 R1142 R1143 R1144 R1145 R1146 R1147 R1145 R1146 R1147 R1152 R1157 R1152 R1157 R1158 R1264 R1263 R1264 R1265 R1266 R1267 R1268	NRSA63J-221X NRSA63J-823X NRSA63J-823X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-105X NRSA63J-105X NRSA63J-104X NRSA63J-104X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-101X	MG RESISTOR	220Ω 1/16W J 82kΩ 1/16W J 220Ω 1/16W J 82kΩ 1/16W J 100Ω 1/16W J 0Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 10kΩ 1/16W J 27kΩ 1/16W J 27kΩ 1/16W J 27kΩ 1/16W J 27kΩ 1/16W J 20Ω 1/16W J 20Ω 1/16W J 20Ω 1/16W J 20Ω 1/16W J 30kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 3,3kΩ 1/16W J 3,3kΩ 1/16W J 3,3kΩ 1/16W J 3,3kΩ 1/16W J 3,9kΩ 1/16W J 220Ω 1/16W J 3,9kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1269	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
CN0005 CN0006 J0002 △TU1101	QGB1505K1-15 QGB1505K1-25 QNN0626-001 QAU0352-002	CONNECTOR CONNECTOR PIN JACK TUNER	B-B (1-15) B-B (1-25) L/R OUT

FRONT CONTROL P.W. BOARD ASS'Y (SSC0L003A-M2)

∆Ref No.	Part No.	Part Name	Description Local
Q1901 Q1902 Q1903 Q1904	2SC3928A/QR/-X 2SC1815/YG/-T 2SC3928A/QR/-X 2SC1815/YG/-T	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
D1402 D1403 D1404 D1405 D1406 D1735	MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE	
C1442 C1443 C1444 C1445 C1446 C1703 C1704 C1901 C1902	QETN1HM-105Z QETN1HM-105Z QETN1HM-105Z QETN1HM-105Z NCB31HK-103X QETN1CM-106Z NCB31CK-104X NCB31CK-104X NCB31CK-104X	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	1uF 50V M 1uF 50V M 1uF 50V M 1uF 50V M 0.01uF 50V K 10uF 16V M 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K
R1401 R1402 R1403 R1404 R1405 R1411 R1412 R1417 R1418 R1419 R1732 R1732 R1749 R1750 R1751 R1901 R1902 R1903 R1904 R1905 R1906 R1907 R1908	NRSA63J-750X NRSA63J-224X NRSA63J-224X NRSA63J-750X NRSA63J-750X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-153X NRSA63J-153X QRE121J-680Y NRSA63J-102X NRSA63J-102X NRSA63J-103X QRE121J-680Y NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-101X NRSA63J-102X NRSA63J-101X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X	MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J 220kΩ 1/16W J 75Ω 1/16W J 75Ω 1/16W J 0Ω 1/16W J 5.6kΩ 1/16W J 5.6kΩ 1/16W J 5.6kΩ 1/16W J 15kΩ 1/16W J 15kΩ 1/16W J 100Ω 1/16W J
CN100G CN100H CN100Z J1401 LC1402 LC1403 S1702 S1703 S1704 S1705 S1706	QGF1201C2-25 QGF1201C2-13 QJB003-060806 QNZ0453-001 QQR1199-001 QQR1199-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z	CONNECTOR CONNECTOR SIN ID C-B WIRE AV JACK EMI FILTER EMI FILTER TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH	FFC/FPC (1-25) FFC/FPC (1-13) S/V/L/R IN MENU CH- CH+ VOL+ VOL-

FRONT SW P.W. BOARD ASS'Y (SSC0L104A-M2)

ÆRef No.	Part No.	Part Name	Description Local
IC2703	GP1UM281QK	IR DETECT UNIT	38kHz
Q2701	2SC3928A/QR/-X	TRANSISTOR	
D2701 D2702	LG22440 MA8068-X	LED Z DIODE	POWER
C2715	QETN1EM-476Z	E CAPACITOR	47uF 25V M
R2702 R2703 R2705 R2706 R2707 R2708	NRSA63J-101X NRSA63J-101X NRSA63J-102X NRSA63J-272X NRSA63J-103X NRSA63J-333X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J 1kΩ 1/16W J 2.7kΩ 1/16W J 10kΩ 1/16W J 33kΩ 1/16W J
S2701	QSW0847-001	TACT SWITCH	POWER

MI-COM & DIST MODULE P.W. BOARD ASS'Y (SSC0D003A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
MD001	SSC0D003A-M2	MI-COM & DIST MODULE PWB	

PRINTED WIRING BOARD PARTS LIST [AV-32S575/Y]

		SS'Y (SSC-1004A-I	•	ÆRef No.	Part No.	Part Name	Description Local
△Ref No. IC1101 IC1211 IC1212 IC1301 IC1502 IC1501 IC1502 IC1511 IC1661 IC1703 IC1801 IC1941 IC1943 IC1981 IC1993 IC3001 IC6001 IC60002	Part No. RC4558D-X TA1318N SN74AHC2G08T-X AN15852A CXA2069Q M62320FP-X PQ033RD01SZ AN5277 AT24C128-32S575 MM1563DF-X PQ1CG21H2FZ SI-8050JD-W PQ1CY1032Z-W PQ120RDA1SZ MM1565AF-X CXA2199Q NJM2701M-X NJM2150AM-X	Part Name IC	Description Local (SERVICE)	D1967 D1968 D1969 D1981 D1991 D1993 D2101 D2201 D2204 D2205 D2206 D2207 D2209 D2210 D2212 D2213 D2214 D2215 D2216 D2216 D2217	PTZ6.8B-X PTZ3.9B-X PTZ11B-X MA111-X MA111-X MA111-X MA8100/M/-X	Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE	
Q0701 Q0702 Q1104 Q1105 Q1232 Q1301 Q1302 Q1303 Q1511 Q1531 Q1668	2SK2090-X 2SK2090-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SC3837K/NP/-X 2SC3837K/NP/-X 2SC3837K/NP/-X UN2112-X 2SC3928A/QR/-X UN2213-X	MOS FET MOS FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR		D2218 D2219 D2220 D2401 D2402 D2403 D2404 D2405 D2406 D2421 D2422 D2423	MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X	Z DIODE	
Q1669 Q1671 Q1672 Q1673 Q1674 Q1712 Q1713 Q1714 Q1915 Q1961 Q1962 Q1964 Q1965 Q1981 Q3001 Q3003 Q3005 Q3007 Q3003 Q3005 Q3009 Q6001 Q6002	2SC3928A/QR/-X UN2213-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC2785/JH/-T 2SA1530A/QR/-X UN2213-X UN2213-X 2SC3928A/QR/-X	TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR		C1103 C1104 C1106 C1107 C1109 C1111 C1213 C1214 C1215 C1216 C1218 C1219 C1222 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1301	QETN1HM-106Z QETN1EM-476Z NCB31EK-393X NCB31HK-183X QETN1EM-476Z QENC1HM-106Z QENC1HM-106Z QETN1CM-477Z QETN1HM-225Z QFLC1HJ-103Z NCF11CZ-475X NCB21CK-105X NCF11CZ-475X QCS31HJ-470Z QETN1CM-107Z QETN1CM-107Z QETN1CM-107Z NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X QETN1HM-106Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR BP E CAPACITOR BP E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR M CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 47uF 25V M 0.039uF 25V K 0.018uF 50V K 47uF 25V M 10uF 50V M 10uF 50V M 470uF 16V M 2.2uF 50V M 0.01uF 50V J 4.7uF 16V Z 1uF 16V K 4.7uF 16V Z 1uF 16V M 100uF 16V M 100uF 16V M 100uF 16V M 100uF 16V M 0.1uF 16V K
D1103 D1503 D1504 D1598 D1599 D1667 D1668 D1669 D1702 D1703 D1704 D1705 D1712 D1891 D1891 D1892 D1893 D1949 D1947 D1948 D1949 D1949 D1949 D1962 D1964 D1965	MA8100/M/-X MA111-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA111-X MA111-X MA111-X MA111-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8111-X SR35-400A-T2 MA8082/M/-X MA8082/M/-X MA8081/M/-X MA8051/M/-X MA8051/M/-X MA9051/M/-X MA9051/M/-X MA111-X EC30HA03L-X EC30HA03L-X EC30HA03L-X MA3030/H/-X MA111-X MA111-X	Z DIODE SI DIODE SI DIODE Z DIODE Z DIODE SI DIODE Z DIODE SI DIODE		C1312 C1313 C1321 C1322 C1323 C1324 C1325 C1332 C1333 C1342 C1343 C1351 C1352 C1353 C1354 C1355 C1371 C1372 C1381 C1382 C1391 C1392 C1403 C1404 C1405 C1406	NCB21CK-105X NCB21CK-105X NCB21CK-105X NCB31HK-103X NCB31HK-103X NCB21CK-105X NCB21CK-105X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z QETN1AM-108Z	C CAPACITOR	1uF 16V K 1uF 16V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 1uF 16V K 1uF 16V K 0.01uF 50V K 0.01uF 16V M 0.1uF 16V M 0.1uF 16V M 0.1uF 16V K 33uF 16V M 0.1uF 16V K 1000uF 10V M 1000uF 10V M

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C1409 C1410	QETN1HM-106Z NCB31CK-104X	E CAPACITOR C CAPACITOR	10uF 50V M 0.1uF 16V K	C2127 C2128	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K
C1411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2144	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1412 C1415	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	C2145 C2146	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K
C1416	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C2301	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2302	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1418 C1421	QETN1EM-476Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	47uF 25V M 1000uF 6.3V M	C2303 C2321	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1423	QETN1HM-476Z	E CAPACITOR	47uF 50V M	C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1430 C1431	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C2323 C2341	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1432	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2342	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1433 C1434	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C2343 C3001	NCB21CK-105X QETN1EM-476Z	C CAPACITOR E CAPACITOR	1uF 16V K 47uF 25V M
C1445	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1446 C1448	NCB31HK-103X NCB31HK-102X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1000pF 50V K	C3003 C3004	NCB31HK-103X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 47uF 25V M
C1449	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C3005	NDC31HJ-120X	C CAPACITOR	12pF 50V J
C1450 C1451	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3006 C3007	QETN1HM-474Z NDC31HJ-471X	E CAPACITOR C CAPACITOR	0.47uF 50V M 470pF 50V J
C1501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3008	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1502 C1505	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3009 C3010	QETN1HM-475Z QETN1HM-474Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 0.47uF 50V M
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	C3011	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C1519 C1531	QETN1EM-476Z NCB31CK-104X	E CAPACITOR C CAPACITOR	47uF 25V M 0.1uF 16V K	C3012 C3013	QENC1CM-106Z NCB31HK-104X	BP E CAPACITOR C CAPACITOR	10uF 16V M 0.1uF 50V K
C1532	QETN1HM-226Z	E CAPACITOR	22uF 50V M	C3014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1539	NCB21CK-105X QETN1CM-107Z	C CAPACITOR E CAPACITOR	1uF 16V K 100uF 16V M	C3015 C3017	NDC31HJ-101X QETN1HM-105Z	C CAPACITOR E CAPACITOR	100pF 50V J 1uF 50V M
C1540 C1550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3018	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1551 C1579	QETN1EM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 25V M 47uF 25V M	C3019 C3020	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1667	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	C3021	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K
C1668 C1669	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C3022 C3023	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1670	NCB21CK-105X QETN1HM-475Z	C CAPACITOR E CAPACITOR	1uF 16V K 4.7uF 50V M	C3024	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K
C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C3025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1672 C1673	NCB21CK-105X QETN1HM-107Z	C CAPACITOR E CAPACITOR	1uF 16V K 100uF 50V M	C6001 C6002	QENC1HM-106Z QENC1HM-106Z	BP E CAPACITOR BP E CAPACITOR	10uF 50V M 10uF 50V M
C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M 0.12uF 50V J	C6003	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
C1675 C1676	QFV21HJ-124Z QFV21HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J	C6004 C6005	QETN1HM-106Z NCB31HK-472X	E CAPACITOR C CAPACITOR	10uF 50V M 4700pF 50V K
C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C6006	NCB31CK-273X	C CAPACITOR	0.027uF 16V K
C1678 C1679	QETN1EM-108Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	1000uF 25V M 4.7uF 50V M	C6007 C6008	QETN1HM-106Z QETN1HM-105Z	E CAPACITOR E CAPACITOR	10uF 50V M 1uF 50V M
C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	C6009	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1696 C1697	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M	C6010 C6011	QETN1HM-106Z QENC1HM-105Z	E CAPACITOR BP E CAPACITOR	10uF 50V M 1uF 50V M
C1702	NCB21CK-105X	C CAPACITOR	1uF 16V K	C6012	QENC1HM-105Z	BP E CAPACITOR C CAPACITOR	1uF 50V M
C1712 C1802	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	C6013 C6014	NCB31HK-222X NCB31HK-222X	C CAPACITOR C CAPACITOR	2200pF 50V K 2200pF 50V K
C1803	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C6015	NCB31CK-473X	C CAPACITOR	0.047uF 16V K
C1806 C1941	NCB31HK-471X QETN1EM-477Z	C CAPACITOR E CAPACITOR	470pF 50V K 470uF 25V M	C6016 C6017	NCB31CK-473X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.047uF 16V K 10uF 50V M
C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	C6018	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1943 C1944	NCB31EK-104X QETN1EM-108Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 1000uF 25V M	C6019 C6020	NCF31CZ-104X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 10uF 50V M
C1945	QEZ0256-228	E CAPACITOR	2200uF 10V M				
C1946 C1947	NCB31EK-104X QETN1CM-477Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 470uF 16V M	R0511 R0606	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C1948	QETN1CM-477Z QETN0JM-108Z	E CAPACITOR	470uF 16V M	R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C1949 C1950	QETNOJM-108Z QETNOJM-108Z	E CAPACITOR E CAPACITOR	1000uF 6.3V M 1000uF 6.3V M	R0706 R0707	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J
C1951 C1952	QETN1VM-477Z	E CAPACITOR E CAPACITOR	470uF 35V M	R1104	NRSA63J-332X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J
C1952 C1953	QEZ0256-128 QETN0JM-228Z	E CAPACITOR E CAPACITOR	1200uF 10V M 2200uF 6.3V M	R1109 R1111	NRSA63J-392X NRSA63J-103X	MG RESISTOR	3.9kΩ 1/16W J 10kΩ 1/16W J
C1954	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	R1112	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C1955 C1958	NCB31EK-104X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 10uF 50V M	R1113 R1114	NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J
C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C1981 C1984	QETN1CM-107Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	100uF 16V M 1000uF 6.3V M	R1116 R1117	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J
C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	R1119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C1991 C1992	QETN1EM-107Z QETN1CM-477Z	E CAPACITOR E CAPACITOR	100uF 25V M 470uF 16V M	R1120 R1202	NRSA63J-103X NRSA63J-101X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C1995 C1996	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K	R1218 R1219	NRSA63J-822X NRSA63J-331X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 330Ω 1/16W J
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C2103 C2104	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	R1221 R1226	NRSA63J-101X NRSA63J-103X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1228	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C2106 C2123	NCB11CK-225X NCB31HK-103X	C CAPACITOR C CAPACITOR	2.2uF 16V K 0.01uF 50V K	R1229 R1230	NRSA63J-332X NRSA63J-101X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 100Ω 1/16W J
C2124	NCB21CK-105X	C CAPACITOR	1uF 16V K	R1231	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C2126	NCB21CK-105X	C CAPACITOR	1uF 16V K	R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R1234 R1236	NRSA63J-562X NRSA63J-222X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 2.2kΩ 1/16W J	R1712 R1713	NRSA63J-273X NRSA63J-123X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 12kΩ 1/16W J
R1301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1714	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1302 R1303	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J	R1715 R1801	NRSA63J-333X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	33kΩ 1/16W J 0Ω 1/16W J
R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1891	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1892	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1375 R1382	NRSA63J-470X NRSA63J-101X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 100Ω 1/16W J	R1894 R1895	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
R1384 R1385	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1896	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1385 R1392	NRSA63J-470X NRSA63J-101X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 100Ω 1/16W J	R1897 R1930	NRSA63J-563X NRSA63J-102X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 1kΩ 1/16W J
R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1932	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1395 R1401	NRSA63J-470X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 0Ω 1/16W J	R1942 R1943	NRSA63D-122X NRSA63D-123X	MG RESISTOR MG RESISTOR	1.2kΩ 1/16W D 12kΩ 1/16W D
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	 ∆R1944	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R1407 R1409	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	R1945 R1946	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
R1503	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1949	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1510 R1511	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	R1950 R1952	NRSA63D-822X NRSA63J-331X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W D 330Ω 1/16W J
R1513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1953	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1514 R1515	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 5.6kΩ 1/16W J	R1957 R1959	NRSA63D-682X NRSA63D-182X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W D 1.8kΩ 1/16W D
R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1521 R1522	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	R1962 R1963	NRSA63J-562X NRSA63J-182X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 1.8kΩ 1/16W J
R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1524 R1525	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J	R1965 R1966	NRSA63J-102X NRSA63J-822X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 8.2kΩ 1/16W J
R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1527 R1528	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J	R1968 R1969	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1971	QRT039J-1R0	MF RESISTOR	1Ω 3W J
R1533 R1534	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J	∆ R1981 R1982	QRK126J-181X NRSA63D-222X	UNF C RESISTOR MG RESISTOR	180Ω 1/2W J 2.2kΩ 1/16W D
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1983	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1536 R1537	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J	R1984 R1985	NRSA63D-183X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	18kΩ 1/16W D 0Ω 1/16W J
R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	 ∆R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J
R1539 R1547	NRSA63J-682X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 0Ω 1/16W J	R1991 R1992	NRSA63J-471X NRSA63J-182X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 1.8kΩ 1/16W J
R1548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1549 R1560	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J	R2103 R2104	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1571 R1577	NRSA63J-0R0X NRSA63J-221X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 220Ω 1/16W J	R2106 R2107	NRSA63J-224X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 0Ω 1/16W J
R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1579 R1580	NRSA63J-221X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 0Ω 1/16W J	R2122 R2123	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J
R1581	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1582 R1583	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	R2127 R2145	NRSA63J-224X NRSA63J-224X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 220kΩ 1/16W J
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2146	NRSA63J-224X NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1585 R1611	NRSA63J-0R0X NRSA63J-563X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 56kΩ 1/16W J	R2147 R2148	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R2301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1613 R1614	NRSA63J-102X NRSA63J-104X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 100kΩ 1/16W J	R2302 R2303	NRSA63J-750X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 0Ω 1/16W J
R1615 R1616	NRSA63J-563X NRSA63J-153X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 15kΩ 1/16W J	R2304 R2305	NRSA63J-0R0X NRSA63J-750X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 75Ω 1/16W J
R1617	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1658 R1659	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	R2307 R2308	NRSA63J-0R0X NRSA63J-750X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 75Ω 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1666 R1667	NRSA63J-682X NRSA63J-222X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 2.2kΩ 1/16W J	R2322 R2323	NRSA63J-750X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 0Ω 1/16W J
R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2325	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1669 R1670	NRSA63J-682X NRSA63J-222X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 2.2kΩ 1/16W J	R2326 R2328	NRSA63J-0R0X NRSA63J-750X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 75Ω 1/16W J
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	R2329	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1672 R1673	QRJ146J-2R2X QRK126J-102X	UNF C RESISTOR UNF C RESISTOR	2.2Ω 1/4W J 1kΩ 1/2W J	R2463 R3001	NRSA63J-0R0X NRSA63J-152X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 1.5kΩ 1/16W J
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3002	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1680 R1681	NRSA63J-822X NRSA63J-473X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 47kΩ 1/16W J	R3006 R3007	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3008	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R1691 R1694	NRSA63J-104X NRSA63J-153X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 15kΩ 1/16W J	R3009 R3011	NRSA63J-391X NRSA63J-101X	MG RESISTOR MG RESISTOR	390Ω 1/16W J 100Ω 1/16W J
R1695	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1696 R1701	NRSA63J-473X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 0Ω 1/16W J	R3013 R3014	NRSA63J-393X NRSA63J-332X	MG RESISTOR MG RESISTOR	39kΩ 1/16W J 3.3kΩ 1/16W J
R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3015	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1703 R1704	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J	R3016 R3017	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J

_Ref No.	Part No.	Part Name	Description Local	POWER	R & DEF P.W.	BOARD ASS'Y (S	SSC-2003A-M2)
R3019 R3021	NRSA63J-0R0X NRSA63J-332X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J	REFER ⁻	TO PARTS LIST IN	N PAGE 3-12 FOR TH	IS P.W. BOARD.
R3023 R3025	NRSA63J-222X NRSA63J-471X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 470Ω 1/16W J	CRT SC	OCKET P.W. B	OARD ASS'Y (S	SC-3003A-M2)
R3026 R3027	NRSA63J-331X NRSA63J-101X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 100Ω 1/16W J	REFER 7	TO PARTS LIST IN	N PAGE 3-14 FOR TH	IS P.W. BOARD.
R3028 R3029 R3032 R3033	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J				
R3032 R3033	NRSA63D-103X NRSA63J-682X	MG RESISTOR MG RESISTOR	10kΩ 1/16W D 6.8kΩ 1/16W J	LINE FI	ILTER P.W. BO	OARD ASS'Y (SS	C-9003A-M2)
R3035 R3038	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J			N PAGE 3-14 FOR TH	•
R3040 R6002	NRSA63J-102X NRSA63J-103X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 10kΩ 1/16W J				
R6003 R6004	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	DEF OS	SC PW BOAR	RD ASS'Y (SSC0H	-1003Δ-M2)
R6006 R6007	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 5.6kΩ 1/16W J			N PAGE 3-15 FOR TH	•
R6008 R6009	NRSA63J-473X NRSA63J-223X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 22kΩ 1/16W J	INCI LIX	IOTAINI DEIST II	VI AGE 3-13 I GIV III	IST.W. BOAILD.
R6014 R6015	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J	DECE!\	JED DW BOA	ARD ASS'Y (SSC	DOOSA MS)
R6018 R6019	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J	ÆRef No.	Part No.	Part Name	Description Local
R6020 R6021	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J	<u></u>	i ait ivo.	T art Name	Description Local
R6022	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J	IC1101 IC1140	L7805CP CXA2205Q-X	IC IC	
R6024 R6025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	IC1251 IC1252	RC4558D-X CD4066BE	IC IC	
L0502 L0503	NRSA02J-0R0X NRSA02J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/10W J 0Ω 1/10W J	Q1101	2SA1530A/QR/-X	TRANSISTOR	
L1211 L1301	QQL244K-100Z QQL244K-100Z	PEAKING COIL PEAKING COIL	10uH K 10uH K	Q1102 Q1252	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR TRANSISTOR	
L1302 L1401	QQL244K-100Z QQL244K-100Z	PEAKING COIL PEAKING COIL	10uH K 10uH K	Q1252 Q1253 Q1254	2SC3928A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR TRANSISTOR	
L1402 L1941	QQL26AK-100Z QQR1401-001	CHOKE COIL CHOKE COIL	10uH K	Q1255	2SC3928A/QR/-X	TRANSISTOR	
L1942 L1943	QQR1401-001 QQL26AK-330Z	CHOKE COIL CHOKE COIL	33uH K	Q1256 Q1257	UN2213-X UN2213-X	DIGI TRANSISTOR DIGI TRANSISTOR	
L1944 L1945	QQL26AK-330Z QQL26AK-220Z	CHOKE COIL CHOKE COIL	33uH K 22uH K	D1140	MA8100/M/-X	Z DIODE	
L1946 L1947	QQL26AK-220Z QQR1401-001	CHOKE COIL CHOKE COIL	22uH K	D1141 D1145	MA8100/M/-X MA8082/M/-X	Z DIODE Z DIODE	
L1948 L1949	QQL26AK-100Z QQL26AK-220Z	CHOKE COIL CHOKE COIL	10uH K 22uH K	D1146 D1251	MA8082/M/-X MA8100/M/-X	Z DIODE Z DIODE	
L1950 L1951	QQL26AK-470Z QQL26AK-470Z	CHOKE COIL CHOKE COIL	47uH K 47uH K	D1252	MA8100/M/-X	Z DIODE	.=0 = .0\
L1952 L1983	QQL26AK-470Z QRN143J-0R0X	CHOKE COIL C RESISTOR	47uH K 0Ω 1/4W J	C1101 C1102	QETN1CM-477Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	470uF 16V M 100uF 16V M
L3001 L3002	QQL244K-100Z QQL244K-100Z	PEAKING COIL PEAKING COIL	10uH K 10uH K	C1103 C1140	QETN1HM-106Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	10uF 50V M 4.7uF 50V M
L3003	QQL244K-100Z	PEAKING COIL	10uH K	C1141 C1144	QETN1HM-475Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M
CN1001 CN1002	QGB1506L1-16 QGB1506L1-16	CONNECTOR CONNECTOR	B-B (1-16) B-B (1-16)	C1145 C1146	NCB31HK-223X NCB31HK-472X	C CAPACITOR C CAPACITOR	0.022uF 50V K 4700pF 50V K
CN1002 CN1003 CN1005	QGB1506L1-16 QGB1505J1-15	CONNECTOR CONNECTOR	B-B (1-16) B-B (1-15)	C1147 C1148	QENC1HM-475Z NCB31EK-104X	BP E CAPACITOR C CAPACITOR	4.7uF 50V M 0.1uF 25V K
CN1006	QGB1505J1-25	CONNECTOR	B-B (1-25)	C1149 C1150	NCB31HK-472X QENC1HM-475Z	C CAPACITOR BP E CAPACITOR	4700pF 50V K 4.7uF 50V M
CN1008 CN1009	QGB1509J1-55 QGB1509J1-55	CONNECTOR CONNECTOR	B-B (1-55) B-B (1-55)	C1151 C1152	NCB31EK-104X QENC1HM-475Z	C CAPACITOR BP E CAPACITOR	0.1uF 25V K 4.7uF 50V M
CN100F CN100G	QJB003-041404 QGF1201C2-25	SIN ID C-B WIRE CONNECTOR	FFC/FPC (1-25)	C1153 C1154	NCB31HK-562X NCB31HK-123X	C CAPACITOR C CAPACITOR	5600pF 50V K 0.012uF 50V K
CN100H CN100Q	QGF1201C2-13 WJP0053-002B	CONNECTOR E-SH C WIRE C-B	FFC/FPC (1-13)	C1155 C1156	QETN1HM-105Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	1uF 50V M 4.7uF 50V M
CN10AU CN10DC		E-SH C WIRE C-B SIN ID C-B WIRE		C1157 C1158	QETN1HM-106Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	10uF 50V M 4.7uF 50V M
CN10SR H1661	LC30145-003A	SIN ID C-B WIRE HEAT SINK/AL-F/		C1159 C1160	QETN1CM-107Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	100uF 16V M 4.7uF 50V M
J2101 J2111	QNN0521-001 QND0104-001	PIN JACK S JACK	V/L/R IN S IN	C1161 C1162	QETN1HM-475Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	4.7uF 50V M 4.7uF 50V M
J2121 K1303	QNN0535-001 NRSA63J-0R0X	PIN JACK MG RESISTOR	COMPONENT IN 0Ω 1/16W J	C1163 C1164	NCB31HK-272X NCB31HK-473X	C CAPACITOR C CAPACITOR	2700pF 50V K 0.047uF 50V K
K1943 K1944	QRN143J-0R0X QRN143J-0R0X	C RESISTOR C RESISTOR	0Ω 1/4W J 0Ω 1/4W J	C1165 C1166	QETN1HM-335Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	3.3uF 50V M 4.7uF 50V M
LC1301 LC1302	QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER		C1167 C1168	QETN1HM-106Z QETN1HM-105Z	E CAPACITOR E CAPACITOR	10uF 50V M 1uF 50V M
LC1303 LC2321	QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER		C1168 C1169 C1170	QENC1HM-475Z QENC1HM-475Z	BP E CAPACITOR BP E CAPACITOR	4.7uF 50V M 4.7uF 50V M 4.7uF 50V M
LC2322 LC2323	QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER		C1171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
LC2341 LC2342	QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER		C1172 C1257	NCF31CZ-104X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 1uF 50V M
LC2343 SL1211	QQR1199-001 CSB503F30-T2	EMI FILTER C RESONATOR		C1258 C1259	QETN1HM-105Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	1uF 50V M 47uF 25V M
X3001 X3002	CE41651-001Z QAX0529-001	CRYSTAL C RESONATOR	500.00kHz	C1260 C1261	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M
	Q. 3.3020 001	550 W !! O! V	000.00M1L				

⚠Ref No.	Part No.	Part Name	Description Local
C1262 C1263	QENC1HM-475Z QENC1HM-475Z	BP E CAPACITOR BP E CAPACITOR	4.7uF 50V M 4.7uF 50V M
C1263 R0001 R0002 R0003 R0004 R0005 R0006 R0007 R0008 R1101 R1102 R1104 R1105 R1107 R1110 R1111 R11141 R1142 R1144 R1145 R1144 R1145 R1146 R1147 R1149 R1151 R1152 R1157 R1158 R1261 R1262 R1266 R1267 R1268 R1267 R1273 R1273 R1277 R1278	NRSA63J-221X NRSA63J-823X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-103X NRSA63J-103X NRSA63J-225X NRSA63J-225X NRSA63J-225X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-105X NRSA63J-105X NRSA63J-105X	MG RESISTOR	4.7uF 50V M 220Ω 1/16W J 82kΩ 1/16W J 220Ω 1/16W J 27kΩ 1/16W J 27kΩ 1/16W J 220Ω 1/16W J 33kΩ 1/16W J
R1279 R1280 CN0005 CN0006 J0001	NRSA63J-103X NRSA63J-103X QGB1505K1-15 QGB1505K1-25 QNN0594-001	MG RESISTOR MG RESISTOR CONNECTOR CONNECTOR PIN JACK	10kΩ 1/16W J 10kΩ 1/16W J B-B (1-15) B-B (1-25) CENTER IN
J0002 △TU1101	QNN0625-001 QAU0352-002	PIN JACK PIN JACK TUNER	SUB WOOFER/L/R OUT

FRONT CONTROL P.W. BOARD ASS'Y (SSC0L003A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

FRONT SW P.W. BOARD ASS'Y (SSC0L103A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC2703	GP1UM281QK	IR DETECT UNIT	38kHz
Q2701	2SC3928A/QR/-X	TRANSISTOR	
D2701 D2702	SEL2E10W MA8068-X	LED Z DIODE	POWER
C2715	QETN1EM-476Z	E CAPACITOR	47uF 25V M
R2702 R2703 R2705 R2706 R2707 R2708	NRSA63J-101X NRSA63J-101X NRSA63J-102X NRSA63J-182X NRSA63J-103X NRSA63J-333X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J 1kΩ 1/16W J 1.8kΩ 1/16W J 10kΩ 1/16W J 33kΩ 1/16W J
S2701	QSW0847-001	TACT SWITCH	POWER

MI-COM & DIST MODULE P.W. BOARD ASS'Y (SSC0D003A-M2)

REFER TO PARTS LIST IN PAGE 3-17 FOR THIS P.W. BOARD.

DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SSC-7802A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SSC-7802A-M2	DIGITAL INPUT MODULE PWB		

PRINTED WIRING BOARD PARTS LIST [AV-32S585/Y]

MAIN P	.W. BOARD AS	S'Y (SSC-1003A-M2)		Ref No.	Part No.	Part Name	Description Local
Ref No.	Part No.	Part Name	Description Local	D1965	MA111-X	SI DIODE	
IC1101 IC1211 IC1212 IC1301 IC1501 IC1502 IC1511 IC1661 IC1703 IC1801 IC1941 IC1943 IC1981 IC1993 IC3001 IC3001	RC4558D-X TA1318N SN74AHC2G08T-X AN15852A CXA2069Q M62320FP-X PQ033RD01SZ AN5277 AT24C128-32S585 MM1563DF-X PQ1CG21H2FZ SI-8050JD-W PQ1CY1032Z-W PQ070XH02Z-W PQ120RDA1SZ MM1565AF-X CXA2199Q NJM2701M-X	IC I	(SERVICE)	D1967 D1968 D1969 D1981 D1991 D1993 D2101 D2121 D2204 D2205 D2206 D2207 D2209 D2210 D2212 D2213 D2213 D2214 D2215	PTZ6.8B-X PTZ3.9B-X PTZ11B-X MA111-X MA111-X MA111-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE Z DIODE	
Q0701 Q0702 Q1104 Q1105 Q1232 Q1301 Q1302 Q1303 Q1531 Q1668 Q1669	NJM2150AM-X 2SK2090-X 2SK2090-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SC3837K/NP/-X 2SC3837K/NP/-X UN2112-X 2SC3928A/QR/-X UN2213-X 2SC3928A/QR/-X	MOS FET MOS FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		D2216 D2217 D2218 D2219 D2220 D2401 D2402 D2403 D2404 D2405 D2406 D2421 D2422	MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X	Z DIODE	
Q1671 Q1672 Q1673 Q1674 Q1712 Q1713 Q1714 Q1915 Q1916 Q1962 Q1964 Q1965 Q1984 Q3001 Q3002 Q3003 Q3005 Q3007 Q3008 Q3009 Q6001 Q6002	UN2213-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SC2785/JH/-T 2SA1530A/QR/-X UN2213-X UN2213-X 2SC3928A/QR/-X	DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR		C1103 C1104 C1106 C1107 C1109 C1111 C1213 C1214 C1215 C1216 C1218 C1219 C1222 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1308	QETN1HM-106Z QETN1EM-476Z NCB31EK-393X NCB31HK-183X QETN1EM-476Z QENC1HM-106Z QENC1HM-106Z QENC1HM-106Z QETN1CM-477Z QETN1HM-225Z QFLC1HJ-103Z NCF11CZ-475X NCB21CK-105X NCF11CZ-475X QCS31HJ-470Z QETN1CM-107Z QETN1CM-107Z QETN1CM-107Z QETN1CM-107Z QETN1CM-107Z NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31HK-103X NCB31HK-103X	E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR BP E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 47uF 25V M 0.039uF 25V K 0.018uF 50V K 47uF 25V M 10uF 50V M 10uF 50V M 470uF 16V M 2.2uF 50V M 0.01uF 50V J 4.7uF 16V Z 1uF 16V Z 47pF 50V J 100uF 16V M 100uF 16V M 100uF 16V M 100uF 16V M 0.1uF 16V K
D1093 D1103 D1503 D1504 D1598 D1599 D1667 D1668 D1669 D1702 D1703 D1704 D1705 D1712 D1801 D1891 D1892 D1893 D1894 D1940 D1947 D1948 D1949 D1962 D1964	MA8082/M/-X MA8100/M/-X MA111-X MA111-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA8100/M/-X MA8100/M/-X MA8082/M/-X MA8082/M/-X MA8082/M/-X MA8051/M/-X MA8051/M/-X MA8051/M/-X MA111-X EC30HA03L-X EC30HA03L-X EC30HA03L-X MA3030/H/-X MA111-X	Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE SI DIODE Z DIODE SI DIODE		C1311 C1312 C1313 C1321 C1322 C1323 C1324 C1325 C1332 C1333 C1342 C1343 C1351 C1352 C1353 C1354 C1355 C1371 C1372 C1381 C1382 C1391 C1382 C1391 C1392 C1403 C1404 C1405	NCB21CK-105X NCB21CK-105X NCB21CK-105X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB21CK-105X NCB21CK-105X NCB31HK-103X NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1CM-336Z NCB31CK-104X QETN1AM-108Z QETN1AM-108Z	C CAPACITOR	1uF 16V K 1uF 16V K 1uF 16V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 1uF 16V K 1uF 16V K 0.01uF 50V K 0.01uF 16V M 0.1uF 16V M

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C1406	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2126	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1409 C1410	QETN1HM-106Z NCB31CK-104X	E CAPACITOR C CAPACITOR	10uF 50V M 0.1uF 16V K	C2127 C2128	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K
C1411 C1412	NCB31CK-104X QETN1CM-107Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 100uF 16V M	C2144 C2145	NCB21CK-105X NCB11CK-225X	C CAPACITOR C CAPACITOR	1uF 16V K 2.2uF 16V K
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1416 C1417	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K	C2301 C2302	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C2303	NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K
C1421 C1423	QETN0JM-108Z QETN1HM-476Z	E CAPACITOR E CAPACITOR	1000uF 6.3V M 47uF 50V M	C2321 C2322	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1430	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2323	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1431 C1432	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C2341 C2342	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1433	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2343	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1434 C1445	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3001 C3002	QETN1EM-476Z NCB31HK-104X	É CAPACITÓR C CAPACITOR	47uF 25V M 0.1uF 50V K
C1446	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1448 C1449	NCB31HK-102X NCB31HK-102X	C CAPACITOR C CAPACITOR	1000pF 50V K 1000pF 50V K	C3004 C3005	QETN1EM-476Z NDC31HJ-120X	E CAPACITOR C CAPACITOR	47uF 25V M 12pF 50V J
C1450	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3006	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C1451 C1501	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3007 C3008	NDC31HJ-471X NCB31HK-103X	C CAPACITOR C CAPACITOR	470pF 50V J 0.01uF 50V K
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3009	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1505 C1510	NCB31HK-103X QENC1CM-106Z	C CAPACITOR BP E CAPACITOR	0.01uF 50V K 10uF 16V M	C3010 C3011	QETN1HM-474Z QETN1HM-474Z	E CAPACITOR E CAPACITOR	0.47uF 50V M 0.47uF 50V M
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3012	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1531 C1532	NCB31CK-104X QETN1HM-226Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 22uF 50V M	C3013 C3014	NCB31HK-104X NCB31HK-104X	C CAPACITOR C CAPACITOR	0.1uF 50V K 0.1uF 50V K
C1539 C1540	NCB21CK-105X QETN1CM-107Z	C CAPACITOR E CAPACITOR	1uF 16V K 100uF 16V M	C3015 C3017	NDC31HJ-101X QETN1HM-105Z	C CAPACITOR E CAPACITOR	100pF 50V J 1uF 50V M
C1550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3018	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1551 C1579	QETN1EM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 25V M 47uF 25V M	C3019 C3020	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1667	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	C3021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1668 C1669	NDC31HJ-101X NCB21CK-105X	C CAPACITOR C CAPACITOR	100pF 50V J 1uF 16V K	C3022 C3023	QETN1HM-105Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	1uF 50V M 47uF 25V M
C1670	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	C3024	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1671 C1672	NDC31HJ-101X NCB21CK-105X	C CAPACITOR C CAPACITOR	100pF 50V J 1uF 16V K	C3025 C6001	NCB31HK-104X QENC1HM-106Z	C CAPACITOR BP E CAPACITOR	0.1uF 50V K 10uF 50V M
C1673	QETN1HM-107Z	E CAPACITOR	100uF 50V M	C6002	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C1674 C1675	QETM1HM-108 QFV21HJ-124Z	E CAPACITOR MF CAPACITOR	1000uF 50V M 0.12uF 50V J	C6003 C6004	QRN143J-0R0X QETN1HM-106Z	C RESISTOR E CAPACITOR	0Ω 1/4W J 10uF 50V M
C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	C6005	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1677 C1678	QETN1EM-108Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M	C6006 C6007	NCB31CK-273X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.027uF 16V K 10uF 50V M
C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	C6008	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1680 C1696	QETN1HM-475Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M	C6009 C6010	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M
C1697 C1702	QETN1EM-476Z NCB21CK-105X	E CAPACITOR C CAPACITOR	47uF 25V M 1uF 16V K	C6011 C6012	QENC1HM-105Z QENC1HM-105Z	BP E CAPACITOR BP E CAPACITOR	1uF 50V M 1uF 50V M
C1712	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C6013	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C1802 C1803	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR	10uF 50V M 47uF 25V M	C6014 C6015	NCB31HK-222X NCB31CK-473X	C CAPACITOR	2200pF 50V K 0.047uF 16V K
C1806	NCB31HK-471X	E CAPACITOR C CAPACITOR	470pF 50V K	C6016	NCB31CK-473X NCB31CK-473X	C CAPACITOR C CAPACITOR	0.047uF 16V K
C1941 C1942	QETN1EM-477Z QETN1CM-108Z	E CAPACITOR E CAPACITOR	470uF 25V M 1000uF 16V M	C6017 C6018	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M
C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	C6019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1944 C1945	QETN1EM-108Z QEZ0256-228	E CAPACITOR E CAPACITOR	1000uF 25V M 2200uF 10V M	C6020	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1946	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R0511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C1947 C1948	QETN1CM-477Z QETN1CM-477Z	E CAPACITOR E CAPACITOR	470uF 16V M 470uF 16V M	R0606 R0705	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J
C1949 C1950	QETN0JM-108Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	1000uF 6.3V M 1000uF 6.3V M	R0706 R0707	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J
C1951	QETN05W-106Z QETN1VM-477Z	E CAPACITOR	470uF 35V M	R1097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C1952 C1953	QEZ0256-128 QETN0JM-228Z	E CAPACITOR E CAPACITOR	1200uF 10V M 2200uF 6.3V M	R1104 R1109	NRSA63J-332X NRSA63J-392X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 3.9kΩ 1/16W J
C1954	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	R1111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C1955 C1958	NCB31EK-104X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 10uF 50V M	R1112 R1113	NRSA63J-153X NRSA63J-472X	MG RESISTOR MG RESISTOR	15kΩ 1/16W J 4.7kΩ 1/16W J
C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C1981 C1984	QETN1CM-107Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	100uF 16V M 1000uF 6.3V M	R1115 R1116	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J
C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	R1117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C1991 C1992	QETN1EM-107Z QETN1CM-477Z	E CAPACITOR E CAPACITOR	100uF 25V M 470uF 16V M	R1119 R1120	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C1995 C1996	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K	R1203 R1218	NRSA63J-101X NRSA63J-822X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 8.2kΩ 1/16W J
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1219	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C2103 C2104	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	R1220 R1221	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R1226	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C2106 C2123	NCB11CK-225X NCB31HK-103X	C CAPACITOR C CAPACITOR	2.2uF 16V K 0.01uF 50V K	R1228 R1229	NRSA63J-222X NRSA63J-332X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 3.3kΩ 1/16W J
C2124	NCB21CK-105X	C CAPACITOR	1uF 16V K	R1230	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

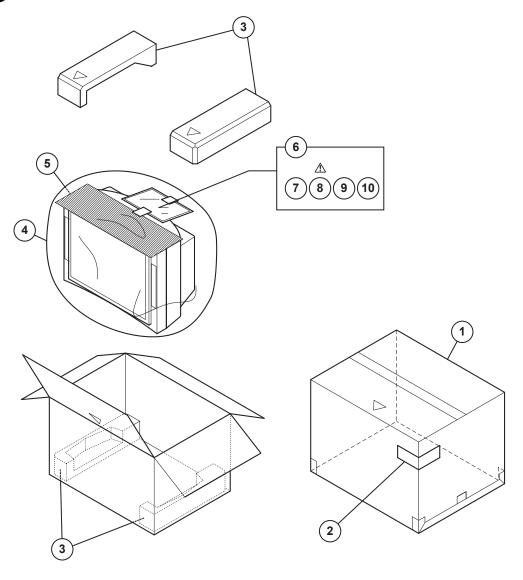
ÆRef No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
R1231	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1704	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1234	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R1712	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R1713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1714	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1715	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1891	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1892	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R1894	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1896	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R1897	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1930	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1932	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R1942	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	 ∆R1944	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R1407	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1409	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1503	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1949	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R1511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1953	NRSA63J-224X	MG RESISTOR	220k Ω 1/16W J
R1514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1957	NRSA63D-682X	MG RESISTOR	6.8k Ω 1/16W D
R1515	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R1959	NRSA63D-062X NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R1520	NRSA63J-221X NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1962	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1965	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1966	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1527	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1971	QRT039J-1R0	MF RESISTOR	1Ω 3W J
R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	∆ R1981	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J
R1534	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1982	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1983	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1984	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
R1537	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	R1985	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1538	NRSA63J-221X	MG RESISTOR		∆ R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J
R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1992	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1549	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1571	NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 220Ω 1/16W J	R2106	NRSA63J-224X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 0Ω 1/16W J
R1577 R1578	NRSA63J-221X NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2107 R2108	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2122	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1580	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1581	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1582	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2127	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2145	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2146	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1585	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2147	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R2148	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R2301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2302	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R2303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R2304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R2305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1617	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2308	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2322	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1668 R1669	NRSA63J-222X NRSA63J-682X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J	R2325 R2326	NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 0Ω 1/16W J
R1670	NRSA63J-222X	MG RESISTOR	6.8kΩ 1/16W J 2.2kΩ 1/16W J	R2328	NRSA63J-0R0X NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	R2329	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1672	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	R2463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3002	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1680	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R3006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3008	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R3009	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R3011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1695	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3013	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3014	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3015	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R3017 R3018 R3019 R3021 R3023	NRSA63J-0R0X NRSA63J-102X NRSA63J-0R0X NRSA63J-332X NRSA63J-222X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	0Ω 1/16W J 1kΩ 1/16W J 0Ω 1/16W J 3.3kΩ 1/16W J 2.2kΩ 1/16W J	SL1211 X3001 X3002	CSB503F30-T2 CE41651-001Z QAX0529-001	C RESONATOR CRYSTAL C RESONATOR	500.00kHz
R3025 R3026	NRSA63J-471X NRSA63J-331X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 330Ω 1/16W J	POWER	R & DEF P.W	. BOARD ASS'Y (S	SSC-2003A-M2)
R3027 R3028 R3029 R3032	NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63D-103X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 10kΩ 1/16W D			IN PAGE 3-12 FOR TH	•
R3033 R3035 R3038	NRSA63J-682X NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J	CRT SC	OCKET P.W.	BOARD ASS'Y (SS	SC-3003A-M2)
R3040 R6002 R6003	NRSA63J-102X NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR MG RESISTOR	1kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J	REFER ⁻	TO PARTS LIST	IN PAGE 3-14 FOR TH	IS P.W. BOARD.
R6004 R6006 R6007	NRSA63J-103X NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J 5.6kΩ 1/16W J	LINE F	LTER P.W. B	OARD ASS'Y (SS	C-9003A-M2)
R6008 R6009 R6014 R6015	NRSA63J-473X NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	47kΩ 1/16W J 22kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J	REFER ⁻	TO PARTS LIST	IN PAGE 3-14 FOR TH	IS P.W. BOARD.
R6018 R6019 R6020	NRSA63J-102X NRSA63J-223X NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J	DEF OS	SC P.W. BOAF	RD ASS'Y (SSC0H0	03A-M2)
R6021 R6022 R6024	NRSA63J-223X NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J 0Ω 1/16W J 10kΩ 1/16W J	REFER ⁻	TO PARTS LIST	IN PAGE 3-15 FOR TH	IS P.W. BOARD.
R6025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RECEIV	ER P.W. BOA	ARD ASS'Y (SSC0R	002A-M2)
L0502 L0503 L1211 L1301	NRSA02J-0R0X NRSA02J-0R0X QQL244K-100Z QQL244K-100Z	MG RESISTOR MG RESISTOR PEAKING COIL PEAKING COIL	0Ω 1/10W J 0Ω 1/10W J 10uH K 10uH K	REFER ⁻	TO PARTS LIST	IN PAGE 3-21 FOR TH	IS P.W. BOARD.
L1302 L1401	QQL244K-100Z QQL244K-100Z	PEAKING COIL PEAKING COIL	10uH K 10uH K	FRONT	CONTROL P	.W. BOARD ASS'Y	(SSC0L003A-M2)
L1402 L1941 L1942 L1943	QQL26AK-100Z QQR1401-001 QQR1401-001 QQL26AK-330Z	CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL	10uH K 33uH K	REFER ⁻	TO PARTS LIST	IN PAGE 3-16 FOR TH	IS P.W. BOARD.
L1944 L1945 L1946	QQL26AK-330Z QQL26AK-220Z QQL26AK-220Z	CHOKE COIL CHOKE COIL CHOKE COIL	33uH K 22uH K 22uH K	FRONT	SW P.W. BO	ARD ASS'Y (SSC0L	.104A-M2)
L1947 L1948 L1949	QQR1401-001 QQL26AK-100Z QQL26AK-220Z	CHOKE COIL CHOKE COIL CHOKE COIL	10uH K 22uH K	REFER ⁻	TO PARTS LIST	IN PAGE 3-17 FOR TH	IS P.W. BOARD.
L1950 L1951 L1952 L1983	QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QRN143J-0R0X	CHOKE COIL CHOKE COIL CHOKE COIL C RESISTOR	47uH K 47uH K 47uH K 0Ω 1/4W J		1 & DIST MOD 003A-M2)	DULE P.W. BOARD	ASS'Y
L3001 L3002 L3003	QQL244K-100Z QQL244K-100Z QQL244K-100Z	PEAKING COIL PEAKING COIL PEAKING COIL	10uH K 10uH K 10uH K	REFER -	TO PARTS LIST	IN PAGE 3-17 FOR TH	IS P.W. BOARD.
CN1001 CN1002 CN1003	QGB1506L1-16 QGB1506L1-16 QGB1506L1-16	CONNECTOR CONNECTOR CONNECTOR	B-B (1-16) B-B (1-16) B-B (1-16)		L INPUT MOD 301A-M2)	OULE P.W. BOARD	ASS'Y
CN1005 CN1006 CN1008	QGB1505J1-15 QGB1505J1-25 QGB1509J1-55	CONNECTOR CONNECTOR CONNECTOR	B-B (1-15) B-B (1-25) B-B (1-55)	Ref No.	Part No.	Part Name	Description Local
CN1009 CN100F CN100G CN100H CN100Q CN10AU	QGB1509J1-55 QJB003-041404 QGF1201C2-25 QGF1201C2-13 WJP0053-002B WJP0052-002A	CONNECTOR SIN ID C-B WIRE CONNECTOR CONNECTOR E-SH C WIRE C-B E-SH C WIRE C-B	B-B (1-55) FFC/FPC (1-25) FFC/FPC (1-13)	MD001	SSC-7801A-M2	DIGITAL INPUT MODUL	.E PWB
CN10DC CN10SR H1661 J1091	QJB003-042814 QJB003-052610 LC30145-003A QNS0001-001	SIN ID C-B WIRE SIN ID C-B WIRE HEAT SINK/AL-F/ 3.5 JACK					
J2101 J2111 J2121 K1303 K1943 K1944 LC1301 LC1302 LC1303	QNN0521-001 QND0104-001 QNN0535-001 NRSA63J-0R0X QRN143J-0R0X QRN143J-0R0X QQR1199-001 QQR1199-001 QQR1199-001	PIN JACK S JACK PIN JACK MG RESISTOR C RESISTOR EMI FILTER EMI FILTER EMI FILTER	V/L/R IN S IN COMPONENT IN 0Ω 1/16W J 0Ω 1/4W J 0Ω 1/4W J				
LC2321 LC2322 LC2323 LC2341 LC2342 LC2343	QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER EMI FILTER EMI FILTER EMI FILTER EMI FILTER					

REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)

	⚠ Ref No.	Part No.	Part Name	Description	Local
UR77EC0603		UR77EC0603	BATTERY COVER		

PACKING



PACKING PARTS LIST

\triangle	Ref.No.	Part No.	Part Name	Description	Local
	1	LC10181-026C-A	PACKING CASE		AV-32S565/Y
	1	LC10181-033B-A	PACKING CASE		AV-32S575/Y,AV-32S585/Y
	2	CM36616-001-A LC11403-002C-A	CORNER LABEL CUSHION ASSY	4pcs in 1set	AV-32S565/Y
	3	LC11560-002E-A	CUSHION ASSY	4pcs in 1set	AV-32S303/1 AV-32S575/Y.AV-32S585/Y
	4	CP30056-A04-A	POLY BAG	ipod iii ioot	710 020010/1,710 02000/1
	5	CP30055-A02-A	TOP COVER		
	6	QPA02503505	POLY BAG	25cm x 35cm	
	7	RM-C1257G-1H	REMOCON		N/0007070/
Λ	8	LCT1639-001A-A	INST BOOK		AV-32S565/Y
<u> </u>	8 9	LCT1638-001A-A	INST BOOK BATTERY	R6P/AA(x2)	AV-32S575/Y,AV-32S585/Y
	10	BT-51034-2Q	REGIST. CARD	NOI /AA(XZ)	

JVC

SCHEMATIC DIAGRAMS

COLOR TELEVISION

AV-32S565 /r, AV-32S575 /r, AV-32S585 /r

CD-ROM No.SML200406

BASIC CHASSIS

SC2







[AV-32S575] [AV-32S585]

AV-32S565/Y, AV-32S575/Y, AV-32S585/Y STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \(\triangle \) symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of each knob/button and

variable resistor : Original setting position

when shipped

(3)Internal resistance of tester : DC $20k\Omega/V$

(4)Oscilloscope sweeping time : H ⇒ 20µs / div

 $: V \rightarrow 5ms / div$

: Othters \Rightarrow Sweeping time is

specified

(5) Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

• In the PW board : R1209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

 $\begin{array}{lll} \text{No unit} & & : \left[\Omega\right] \\ \text{K} & & : \left[k\Omega\right] \\ \text{M} & & : \left[\text{M}\Omega\right] \\ \end{array}$

Rated allowable power

No indication : 1/16 [W]
Others : As specified

Type

No indication : Carbon resistor
OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor

FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

 $\begin{array}{ll} \mbox{1 or higher} & : [pF] \\ \mbox{less than 1} & : [\mu F] \end{array}$

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

Type

No indication : Ceramic capacitor

MM : Metalized mylar capacitor

PP : Polypropylene capacitor

MPP : Metalized polypropylene capacitor

MF : Metalized film capacitor
TF : Thin film capacitor
BP : Bipolar electrolytic capacitor

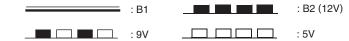
TAN : Tantalum capacitor

(3)Coils

No unit : [µH]

Others : As specified

(4)Power Supply

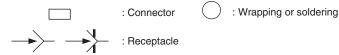


*Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

 ☐ ∴ ISOLATED(NEUTRAL) side ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\bot) side GND and the ISOLATED(NEUTRAL) : (\beth) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
 If the above precaution is not respected, a fuse or any parts will be broken.
- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

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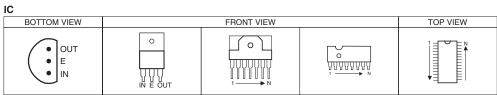
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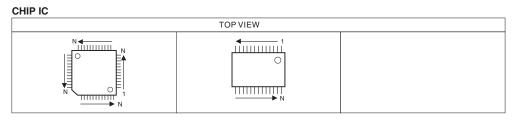
USING P.W. BOARD

PWB ASS'Y name	AV-32S565/Y	AV-32S575/Y	AV-32S585/Y
MAIN P.W. BOARD	SSC-1005A-M2	SSC-1004A-M2	SSC-1003A-M2
RECEIVER P.W. BOARD	SSC0R003A-M2	SSC0R002A-M2	←
CRT SOCKET P.W. BOARD	SSC-3003A-M2	←	←
POWER&DEF P.W. BOARD	SSC-2003A-M2	←	←
DEF OSC P.W. BOARD	SSC0H003A-M2	←	←
LINE FILTER P.W. BOARD	SSC-9003A-M2	←	←
FRONT CONTROL P.W. BOARD	SSC0L003A-M2	←	←
FRONT SW P.W. BOARD	SSC0L104A-M2	←	←

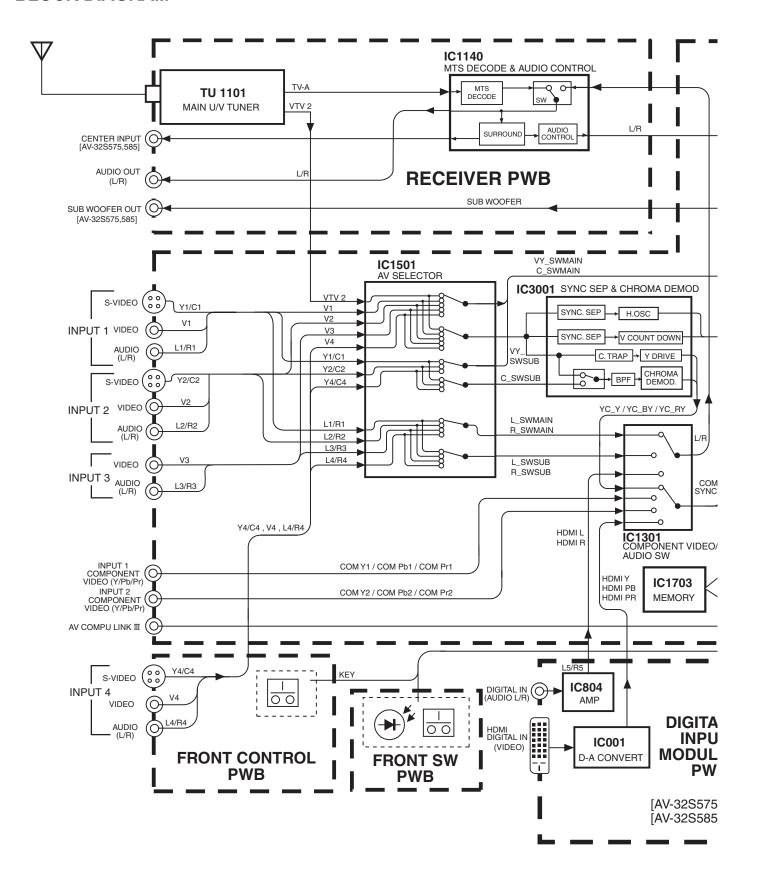
SEMICONDUCTOR SHAPES

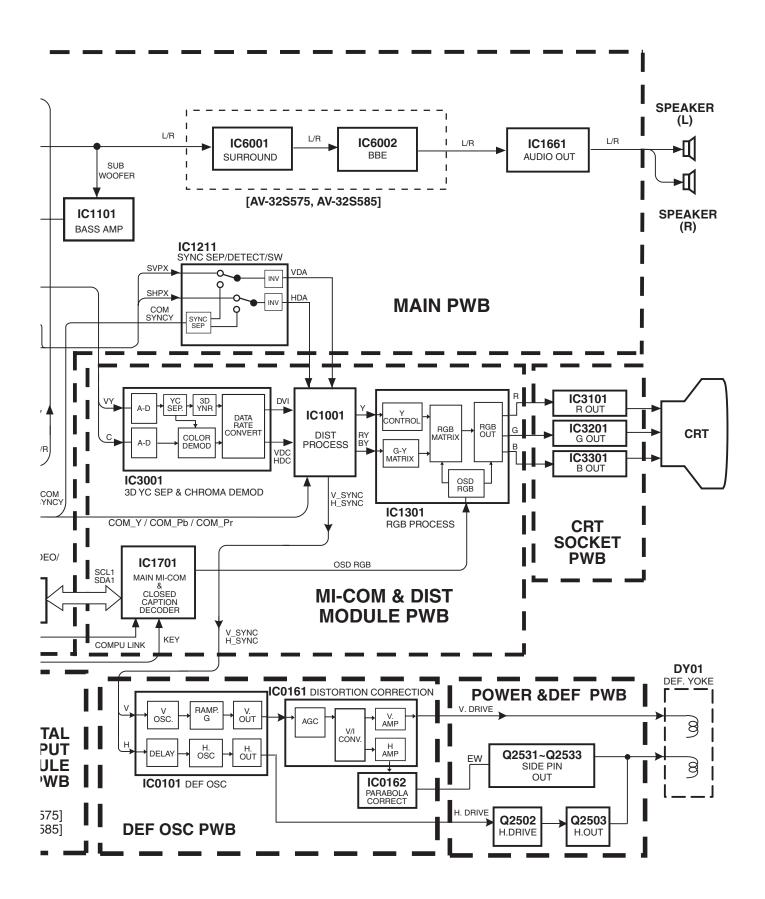
TRANSISTOR BOTTOM VIEW FRONT VIEW TOP VIEW CHIP TR C B C B B C B B C B B C B B C B B C B B C B B C B B C B B C B B C B B C B B C B B C

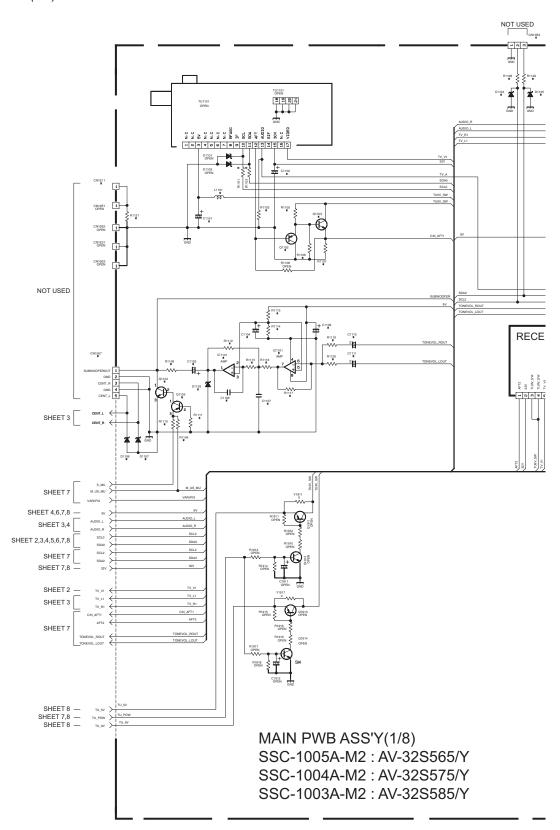


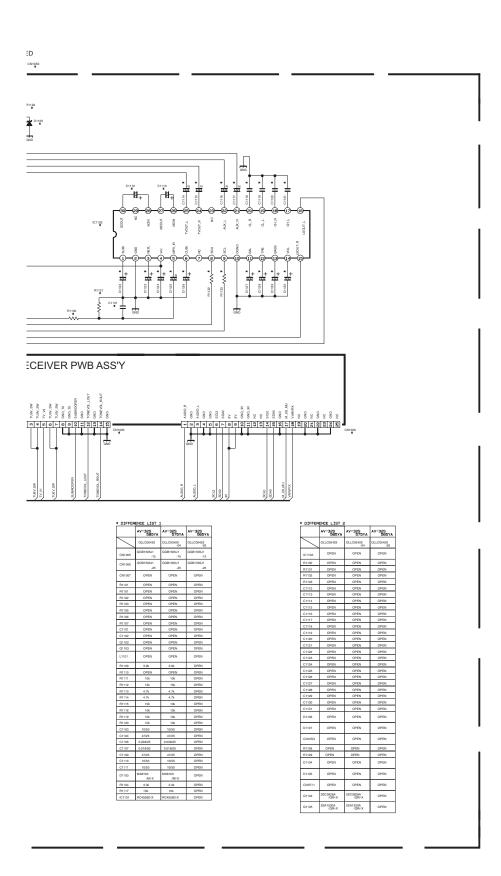


BLOCK DIAGRAM

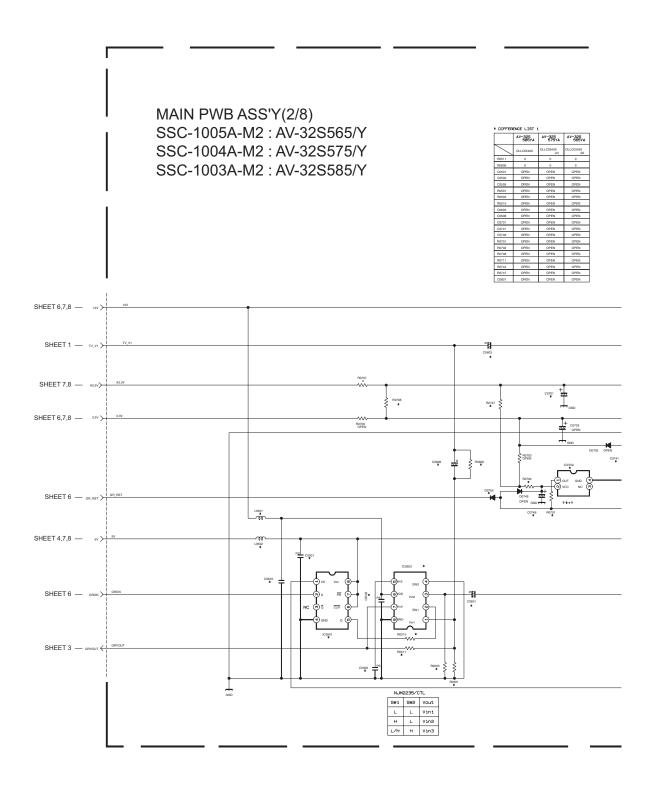


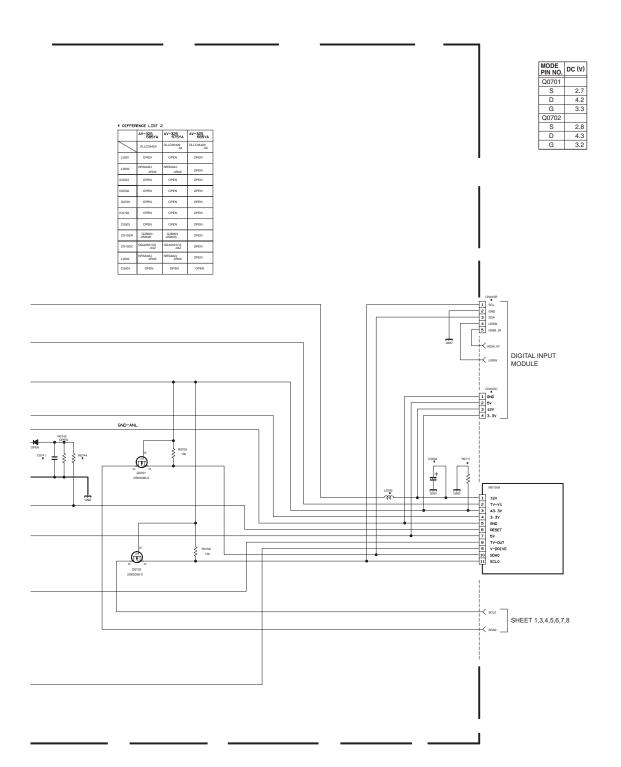


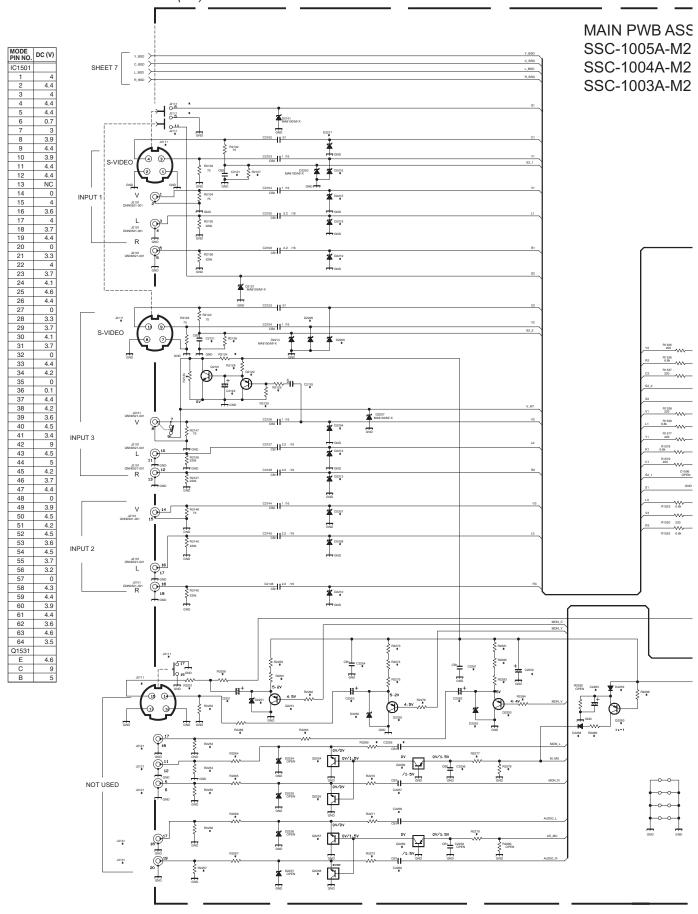


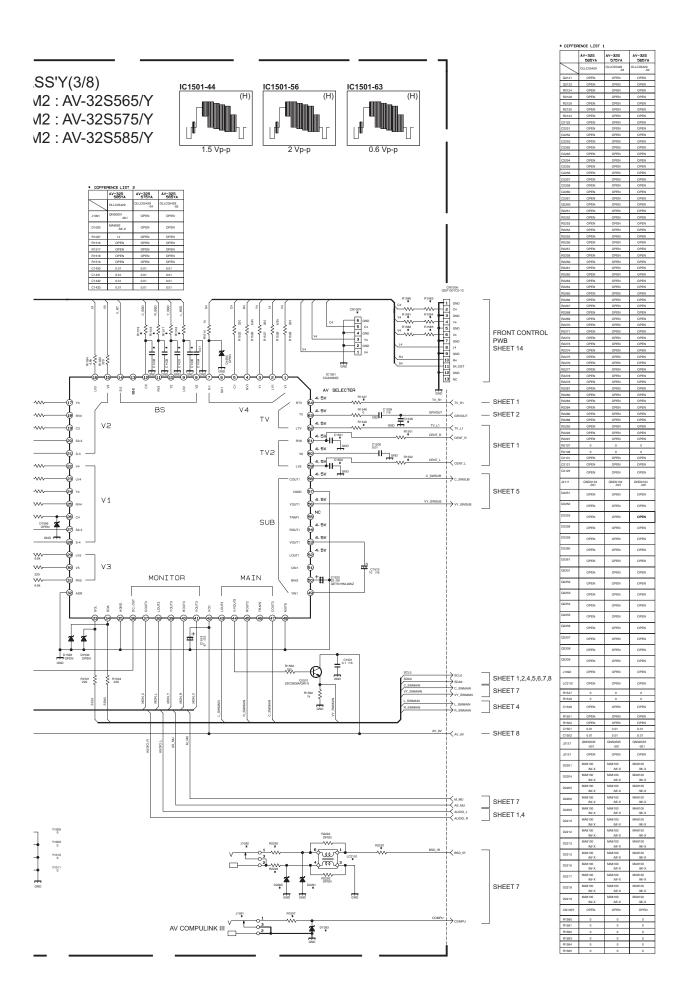


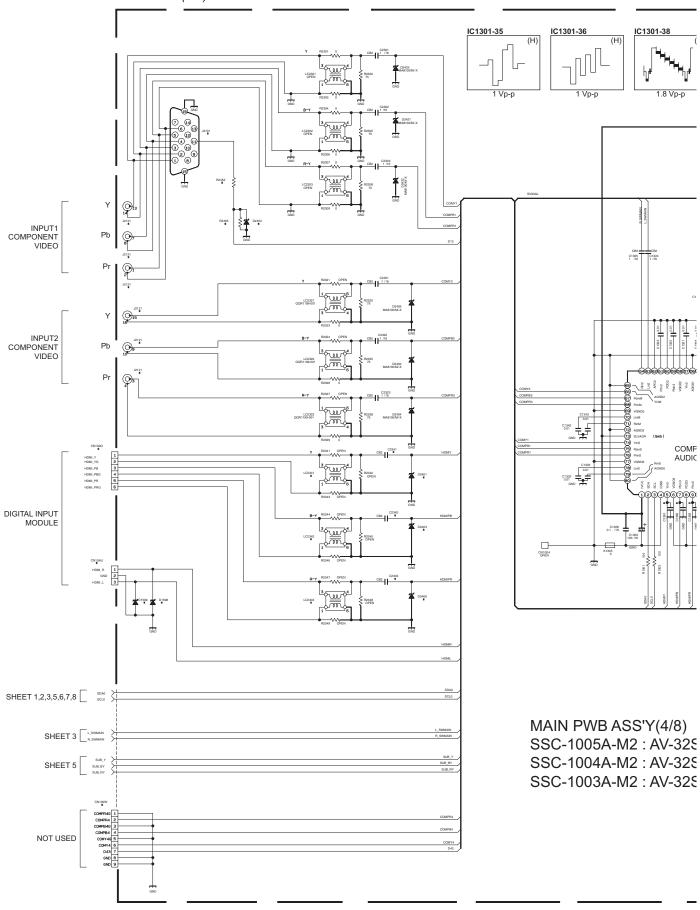
MODE PIN NO.	DC (V)
IC1101	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.9
CN1005	
1	2.6
2	31.6
3	8.9
4	8.9
5	2.2
6	5.2
7	5.2
8	0
9	0
10	0
11	0
12	4.1
13	0
14	4.1
15	0
CN1006	-
1	4.4
2	0
3	4.4
4	4.4
_	-
5	0
6	5
7	5
8	8.9
9	8.9
10	0
11	0
12	NC
13	NC
14	4.4
15	4.4
16	0
17	0
18	5.1
19	0
20	0
21	0
22	0
23	4.1
24	0

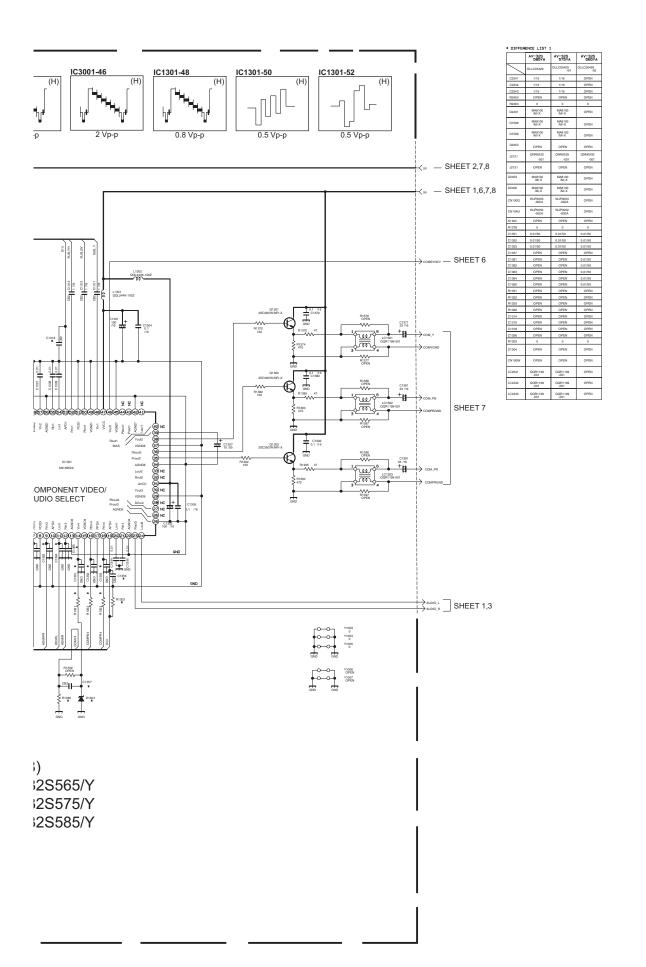




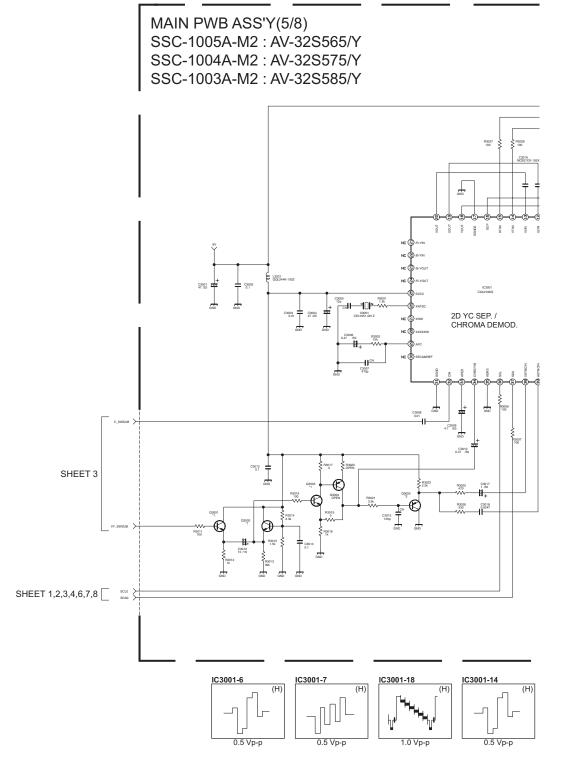


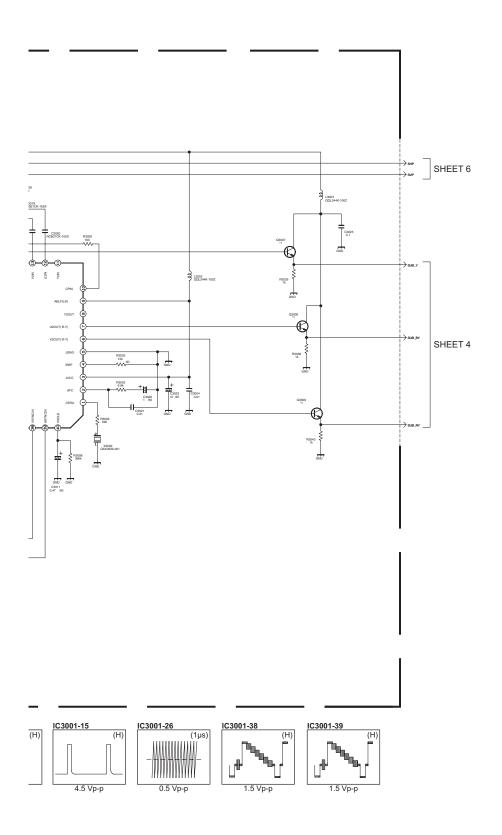




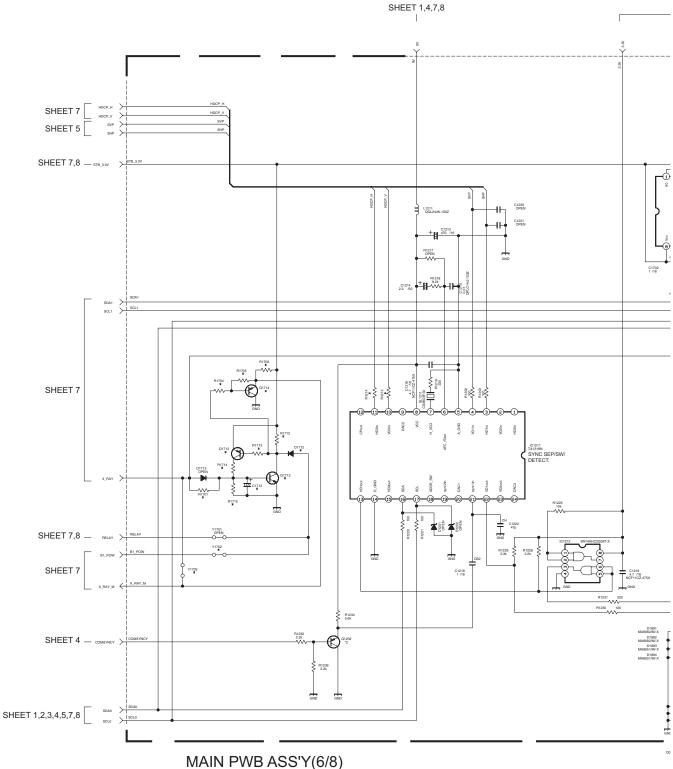


MODE PIN NO.	DC (V
IC1301	
2	5.1
3	4.3
4	4.3
5	4.6
6	C
7	4.6
8	(
9	(
11	4.4
12	4.4
13	4.5
14	4.6
15	(
16	4.6
17	
18	4.6
19 20	
21	4.4
22	4.4
23	4.4
24	4.4
25	
26	C
27	4.4
28	C
29	C
30	4.4
31	8.9
32	4.4
33 34	4.5
35	4.4
36	4.4
37	7
38	4.4
39	4.4
40	4.4
41	4.5
42	4.5
43 44	4.5
45	4.0
46	4.5
47	8.9
48	4.7
49	0
50	4.6
51 52	4.6
52	4.6
54	4.4
55	4.4
56	C
57	4.6
58	
59	4.4
60 61	4.5
62	4.5
63	4.4
64	4.4
65	(
66	4.6
67	4.6
68	4.6
69	
70 71	4.4
72	4.4
73	5.1
74	4.6
75	4.6
76	4.6
77	C
78	4.4
79	4.4
80	
Q1301	
E C	3.7 8.9
C B	4.4
Q1302	4.4
F	3.6
С	8.9
В	4.2
Q1303	
E	3.6
	8.9
В	4.4



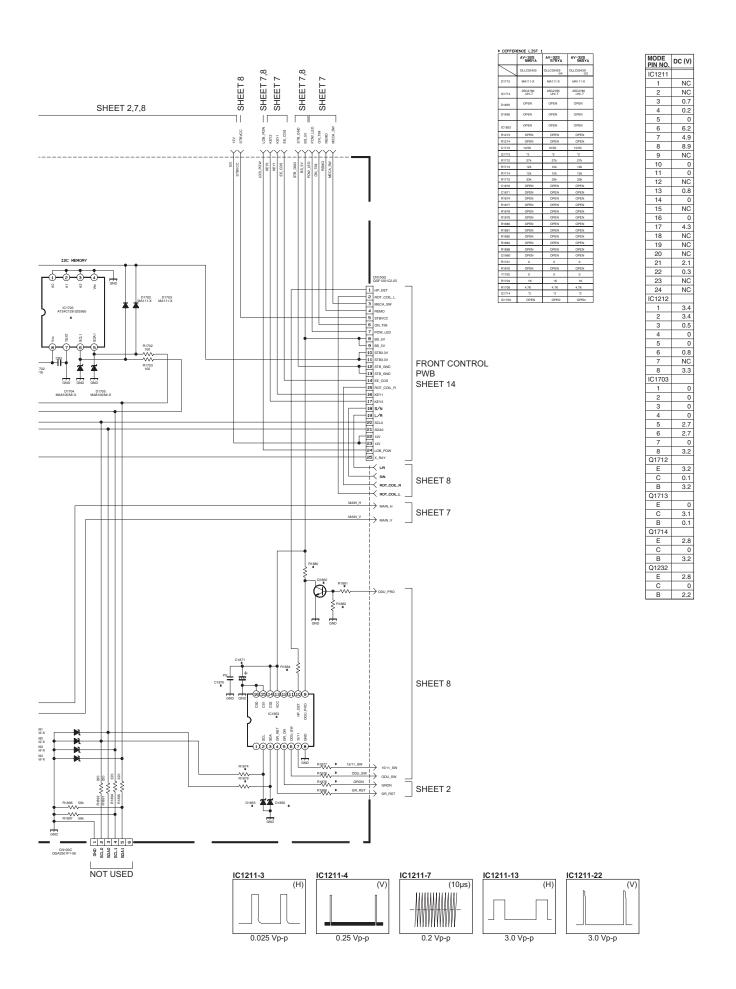


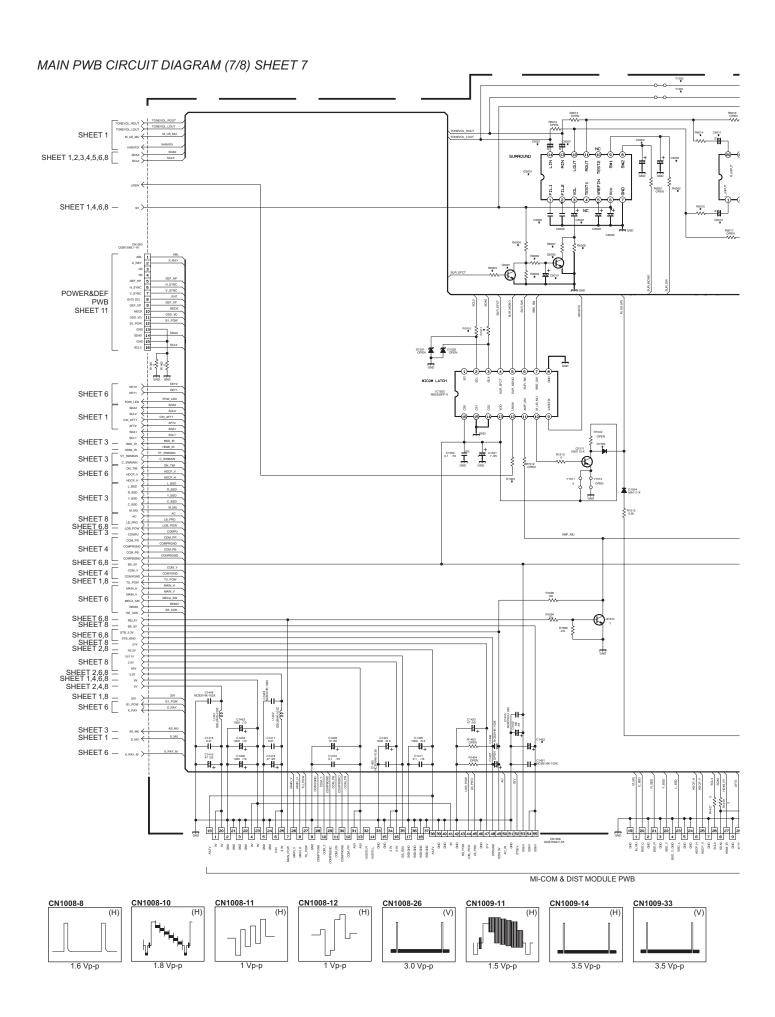
MODE PIN NO.	DC (V)
IC3001	
1	1.6
2	4.2
3	8.9
4	1.6
5	0
6	3
7 8	3
9	2.6 8.9
10	1
11	1
	4.2
12 13	4.2
14	4.3 0.3
15	0.4
16	1
17	0
18	3.2
19	3
20	3 NC
21	NIO
22	NC.
23	NC
24	4.6
25	8.9
26	3.1
27	NC
28	NC 3.4
29	3.4
30	2.1
31	0
32	
33	4.1
34	4.2
35	0
36	4.4
37	4.2
38 39	3.4 2.6
40	2.6 0.7
Q3001	0.7
Е	2.6
С	8.9
В	3.2
Q3002	
Е	0
E C B	8.9
В	2.8
Q3003	
Е	1.6
C	8.9
В	2.2
Q3005	
E	2.3
С	0
В	1.7
Q3007	
E C	2.5 8.9
	8.9
B Q3008	3.2
_	22
C	2.3 8.9
В	3.1
Q3009	0.1
	2.3
C	8.9
	3.1
В	

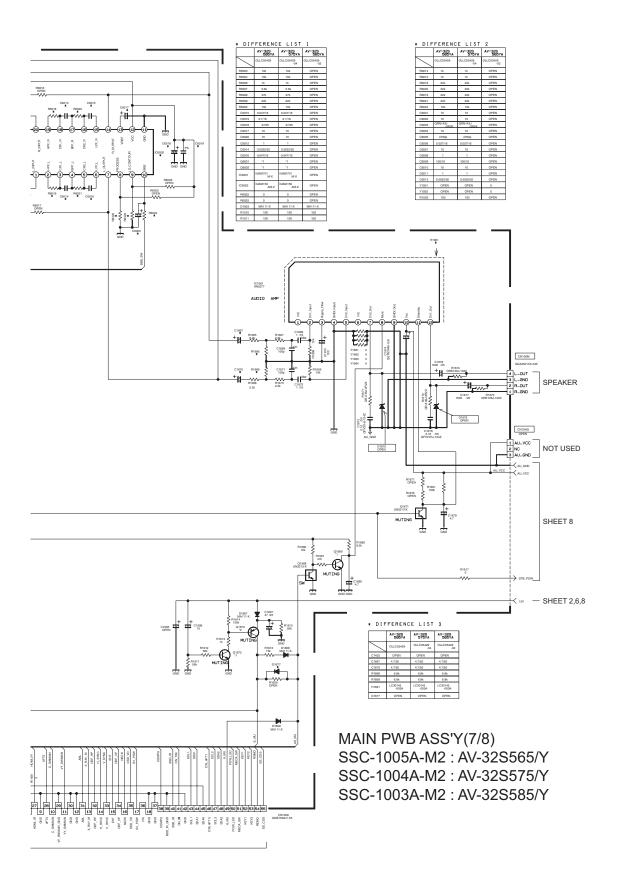


SSC-1005A-M2 : AV-32S565/Y SSC-1004A-M2 : AV-32S575/Y

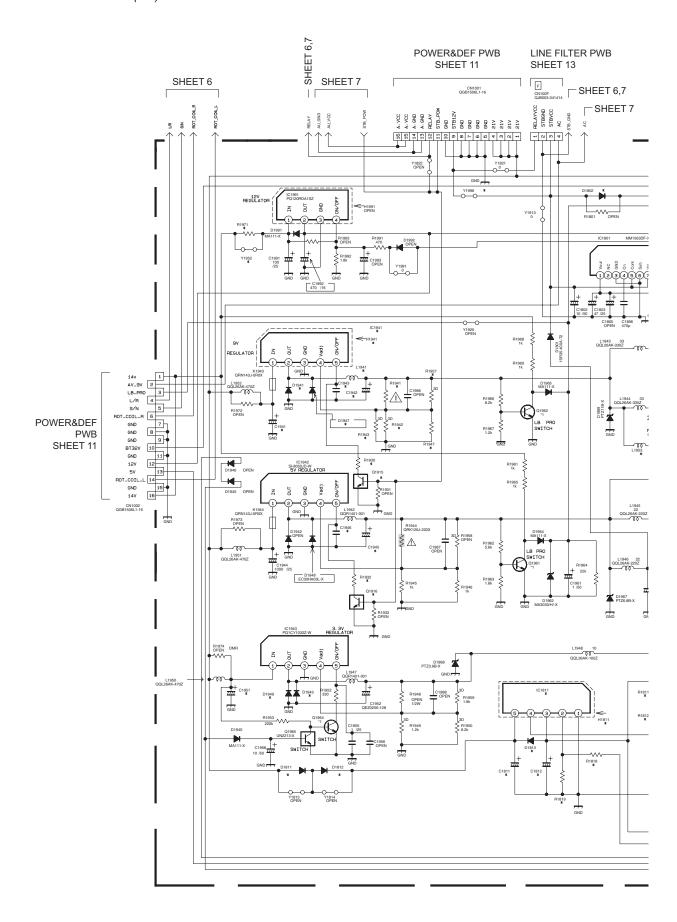
SSC-1003A-M2: AV-32S585/Y





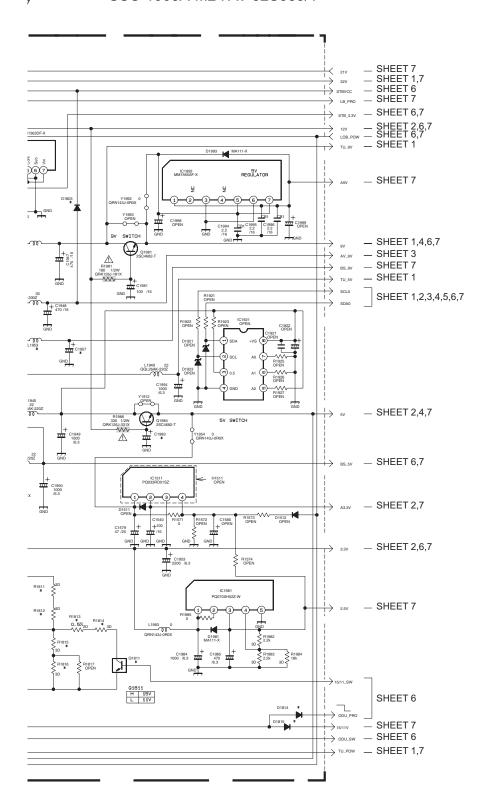


IC1502	DC (V)	MODE PIN NO. 5	DC (V)
1	NC	6	3.2
2	4.3	7	3.2
3	4.2	8	0.5
4	0	9	0
5	0	10	3.4
6	0	11	3.7
7	5.1	12	3.6
8	0	13	5
9	5.1	14	0
10	5.1	15	0
11	0	16	2.6
12	5.1	17	0
13	5.2	18	0
14	0	19	3.3
15	0	20	5.1
16	5.2	21	0
IC6001		22	0
1	4.2	23	8.9
2	4.4	24	0
3	4.4	25	3.2
4	4.4	26	0.3
5	4.4	27	0
6	8.9	28	0
7	0	29	0
8	0	30	0
9	0	31	4.9
10	4.4	32	0
11	4.4	33	0
12	4.4	34	2.6
13	4.4	35	0
14	4.6	36	0
IC6002		37	0
1	4.4	38	3.3
2	4.4	39	0
3	4.4	40	0
4	4.4	41	8.9
5	4.4	42	0.0
6	4.4	43	0
7	4.4	44	3.1
8	0	45	0
9	0	46	0
10	4.8	47	20.3
11	0	48	0
12	8.9	49	3.2
13	4.4	50	0.7
14	4.4	51	0
15	4.4	52	31.6
16	4.4	53	5.2
17	4.4	54	0
18	4.4	55	0
19	4.4	CN1009	
20	4.4	1	0
IC1661		2	0
1	NC	3	0
2	0	4	0
3	29.7	5	0.5
4	0	6	0
5	0	7	4.4
6	NC	8	4.3
7	15	9	0
8	0	10	4.4
9	0	11	4.6
10	31	12	0
11	10.5	13	2.8
12	15.1	14	0
Q1511		15	2.8
E	0	16	0
c	0	17	2.7
В	0.6	18	0
Q6001		19	0
E	0	20	0
c	1.3	21	0
В	0	22	0
B Q6002	0		0
Q6002 E	0	22	
Q6002		22 23	0
Q6002 E	0	22 23 24	0
Q6002 E C B	0	22 23 24 25	0
Q6002 E C	0	22 23 24 25 26	0 0 0 4.4
Q6002 E C B Q1668	0 0 0.6	22 23 24 25 26 27	0 0 0 4.4 2.7
Q6002 E C B Q1668	0 0 0.6	22 23 24 25 26 27 28	0 0 4.4 2.7 2.5
Q6002 E C B Q1668 E C	0 0 0.6 0 4.4	22 23 24 25 26 27 28 29	0 0 4.4 2.7 2.5 0
Q6002 E C B Q1668 E C B Q1669	0 0 0.6 0 4.4	22 23 24 25 26 27 28 29	0 0 4.4 2.7 2.5 0 0 6.1
Q6002 E C B Q1668 E C B	0 0 0.6 0 4.4 0	22 23 24 25 26 27 28 29 30 31	0 0 4.4 2.7 2.5 0 0 6.1
Q6002 E C B Q1668 E C B Q1669	0 0.6 0 4.4 0	22 23 24 25 26 27 28 29 30 31	0 0 4.4 2.7 2.5 0 0 6.1 1.5
Q6002 E C B Q1668 E C B Q1669 E C B	0 0 0.6 0 4.4 0	22 23 24 25 26 27 28 29 30 31 32 33 34	0 0 4.4 2.7 2.5 0 0 6.1 1.5 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1669	0 0 0.6 0 4.4 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35	0 0 4.4 2.7 2.5 0 0 6.1 1.5 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E	0 0 0.6 0 4.4 0 0 0 0.6	22 23 24 25 26 27 28 29 30 31 32 33 34 35	0 0 4.4 2.7 2.5 0 0 6.1 1.5 0 0.3
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E	0 0 0.6 0 4.4 0 0 0 0.6	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	0 0 4.4 2.7 2.5 0 0 6.1 1.5 0 0.3 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E C B	0 0 0.6 0 4.4 0 0 0 0.6	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	0 0 0 4.4 2.7 2.5 0 0 6.1 1.5 0 0.3 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E C B Q1672	0 0 0.6 0 4.4 0 0 0 0.6 0 10.4	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	0 0 0 4.4 2.7 2.5 0 0 6.1 1.5 0 0.3 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E C B Q1672 E	0 0 0.6 0 4.4 0 0 0 0.6 0 0.6	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	0 0 4.4 2.7 2.5 0 0 6.1 1.5 0 0.3 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E C B Q1672 E C C	0 0 0.6 0 4.4 0 0 0 0.6 0 10.4 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	0 0 0 4.4 2.7 2.5 0 6.1 1.5 0 0.3 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E C B Q1672 E C B	0 0 0.6 0 4.4 0 0 0 0.6 0 0.6	22 23 24 25 26 27 28 30 31 32 33 34 35 36 37 38 39 40 41	0 0 0 4.44 2.7 2.5 0 0 6.1 1.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E C B Q1672 E C B Q1673	0 0 0.6 0 4.4 0 0 0 0.6 0 10.4 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	0 0 4.4 2.7 2.5 0 0 6.1 1.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1671 E C B Q1672 E C B Q1673 E	0 0 0.6 0 4.4 0 0 0 0.6 0 10.4 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 42 43	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C C B Q1669 E C B Q1671 E C B Q1672 E C B Q1673 E C C B C C C C C C C C C C C C C C C C	0 0 0.6 0 4.4 0 0 0 0.6 0 10.4 0 11.8 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.77 4.4 4
Q6002 E C B Q1668 E C B Q1669 E C B Q1669 E C B Q1671 E C B Q1672 E C B Q1673 E C B G G B G G G B G G G G G B G G G G G	0 0 0.6 0 4.4 0 0 0 0.6 0 10.4 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 44	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1669 E C C B Q1671 E C C B Q1672 E C C B Q1673 E C C B Q1673 E C C B Q1674	0 0 0 0.6 0 4.4 0 0 0.6 0 10.4 0 0 11.8 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 42 43 44 45 46	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C C B Q1669 E C C B Q1679 E C C B Q1671 E C C B Q1672 E C B Q1673 E C B Q1674 E C B Q1674 E C B	0 0 0.6 0 0 4.4 0 0 0 0.6 0 0 10.4 0 0 11.8 0	22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1669 E C B Q1671 E C C B Q1672 E C C B Q1673 E C C B Q1674 E C C C C C C C C C C C C C C C C C C	0 0 0 0.6 0.6 0 4.4 0 0 0 0.6 0.6 0 10.4 0 11.8 0 0.9 11.8	22 23 24 25 26 27 28 29 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C C B Q1669 E C C B Q1670 E C B Q1671 E C C B Q1672 E C C B Q1674 E C C B B Q1674 E C C B B D D D D D D D D D D D D D D D D	0 0 0.6 0 0 4.4 0 0 0 0.6 0 0 10.4 0 0 11.8 0	22 23 24 25 26 27 28 30 31 31 32 33 34 40 42 43 44 44 45 46 47 48	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1669 E C C B Q1672 E C C B Q1672 E C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C C B C	0 0 0 0.6 0.6 4.4 0 0 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	22 23 24 25 25 26 27 28 30 31 32 33 33 44 45 44 44 45 46 47 48 49 50 51	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1673 E C C B Q1673 E C C B C C C B C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C	0 0 0.6 0.6 0 4.4 0 0 0.6 0.6 0 11.8 0 0 11.8 0 0 0.6 11.8 0 0 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 23 24 25 26 27 28 30 31 32 33 34 43 55 46 47 44 44 45 50 51 51 52	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q6002 E C B Q1668 E C B Q1669 E C B Q1669 E C C B Q1672 E C C B Q1672 E C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C B C C C C C B C	0 0 0 0.6 0.6 4.4 0 0 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	22 23 24 25 25 26 27 28 30 31 32 33 33 44 45 44 44 45 46 47 48 49 50 51	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



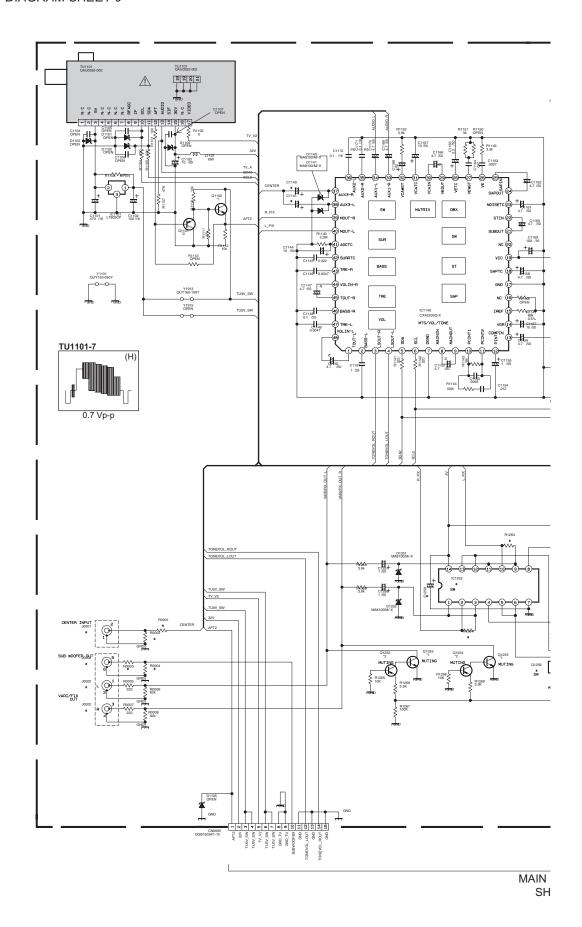
MAIN PWB ASS'Y(8/8)

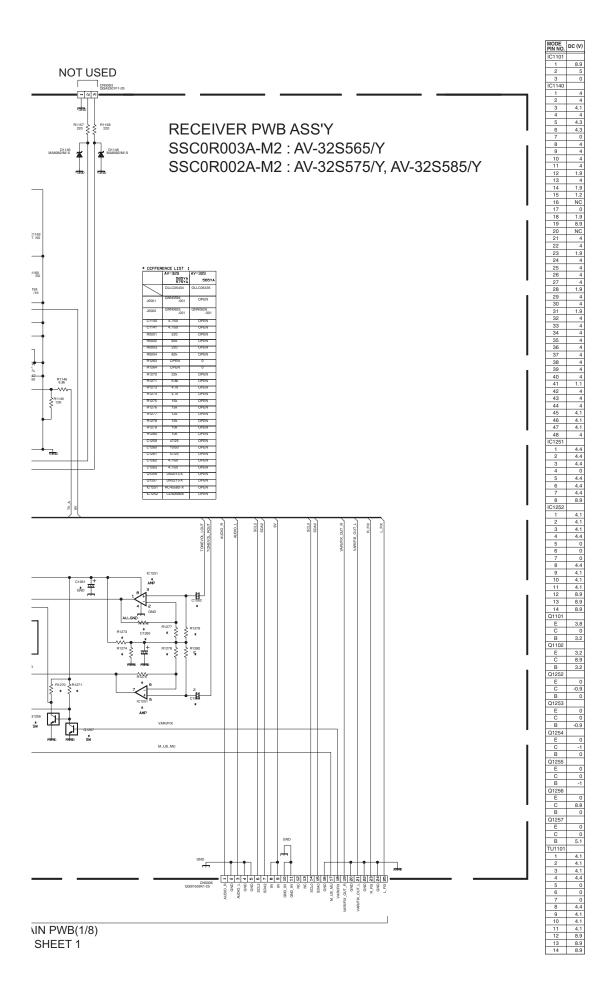
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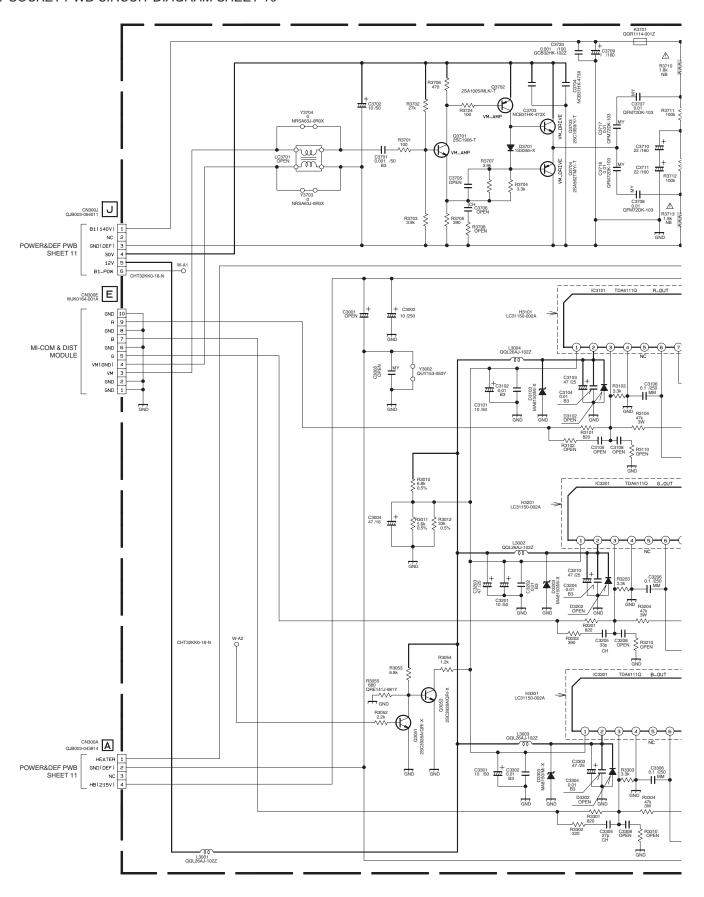


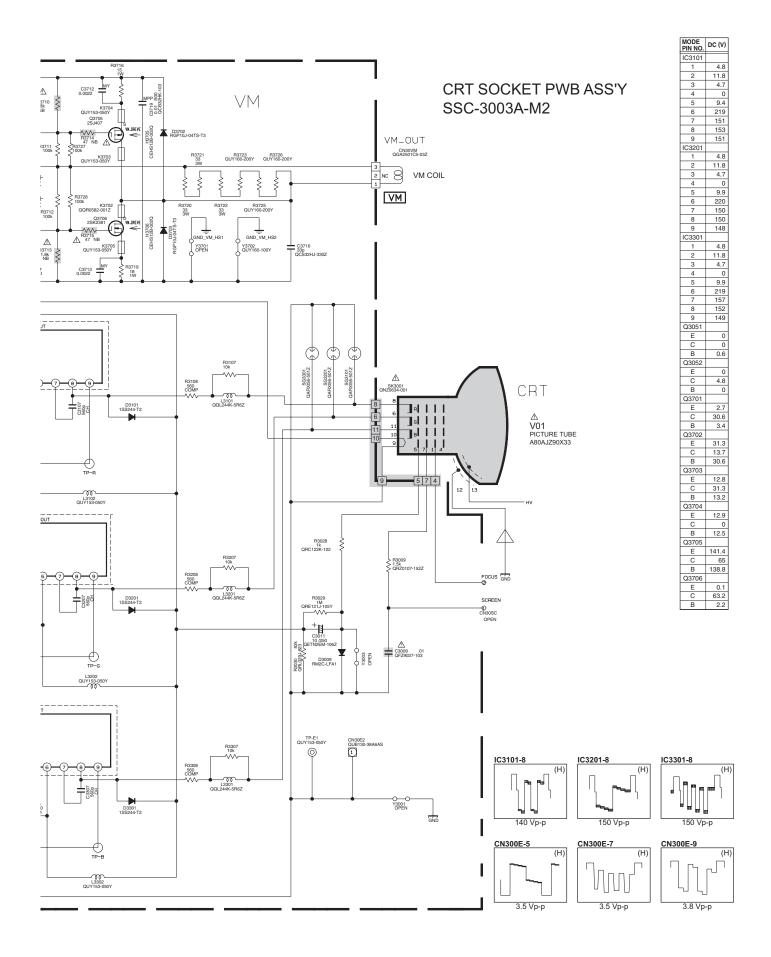
DIFFERENCE LIST 1							
	AV-32S 585YA	AV-32S 575YA	AV-32S 565YA				
$\overline{}$	OLLC05429	OLLC05429 -04	OLLC05429 -02				
C1951	470/35	47035	470/35				
C1957	OPEN	OPEN	OPEN				
C1983	OPEN	OPEN OPEN	OPEN				
C1811	OPEN OPEN	OPEN	OPEN OPEN				
R1801	0	0	0				
R1811	OPEN	OPEN	OPEN				
R1812	OPEN OPEN	OPEN OPEN	OPEN OPEN				
R1813 R1816	OPEN	OPEN	OPEN				
R1818	OPEN	OPEN	OPEN				
R1819	OPEN	OPEN	OPEN				
D1943	OPEN EC30HA03L	OPEN EC30HA03L	OPEN EC30HA03L				
D1949 L1941	QQR1401	QQR1401	QQR1401				
C1941	470/25	470/25	470/25				
R1947	OPEN	OPEN	OPEN				
R1957	6.8K	6.8K	6.8K				
C1946 R1932	.1/25 1K	.1/25 1K	.1/25 1K				
Q1916	UN2213-X	UN2213-X	UN2213-X				
C1943	.1/25	.1/25	.1/25				
R1930	1K	1K	1K				
Q1915	UN2213-X	UN2213-X	UN2213-X				
D1802	OPEN	OPEN	OPEN				
D1803	OPEN	OPEN	OPEN				
D1944	OPEN	OPEN	OPEN				
L1953	OPEN	OPEN	OPEN				
R1971	QRT039J -1R0	QRT039J -1R0	QRT039J -1R0				
Y1952	OPEN	OPEN	OPEN				
D1811	OPEN	OPEN	OPEN				
D1812	OPEN	OPEN	OPEN				
D1813	OPEN	OPEN	OPEN				
D1814	OPEN	OPEN	OPEN				
D1815	OPEN	OPEN	OPEN				
H1811	OPEN	OPEN	OPEN				
C1811	OPEN	OPEN	OPEN				
Q1811	OPEN	OPEN	OPEN				
R1814	OPEN	OPEN	OPEN				
R1815	OPEN	OPEN	OPEN				
C1942	1000/16	1000/16	1000/16				
D1941	OPEN	OPEN	OPEN				
IC1941	PQ1CG21 H2FZ	PQ10321 H2FZ	PQ1CG21 H2FZ				
H1941	OPEN	OPEN	OPEN				
R1941	OPEN	OPEN	OPEN				
R1942	1.2K	1.2K	1.2K				
R1943	12k	12k	12k				
D1947	EC30HA 03L-X QE20256	EC30HA 03L-X QE20256	EC30HA 03L-X QEZ0256				
C1945	-228	-228	-228				
Y1996		0	0				

MODE PIN NO.	DC (V)
IC1511	
1	5.1
2	3.3
3	0
4	5.1
IC1801	
1	3.2
2	0
3	0
4	1.9
5	4.9
6	0
7	4.9
IC1941	1.0
1	20.3
2	9.1
3	0
4	4.0
	1.2
5	6.8
IC1942	
1	20.3
2	5.2
3	0
4	4.9
5	2.3
IC1943	
1	20.3
2	3.3
3	0.0
4	1.2
5	
IC1981	6.8
1	3.3
2	3.3
3	2.6
4	1.2
5	0
IC1991	
1	14.6
2	11.9
3	0
4	2.5
IC1993	2.0
1	5
2	NC
3	0
4	NC
5	8.9
6	0
7	8.9
Q1915	_
E	0
C B	6.8
	0
Q1916	
E	0
С	2.3
В	0
Q1961	
E	0
С	0
В	0.6
Q1962	
Е	0
С	0
В	0.6
Q1964	
Е	0
C	6.7
В	0.7
Q1965	
F F	0
C	
В	0.7
	2.7
Q1981	8.9
Е	
E C	8.9
E C B	
E C B Q1984	8.9 9.7
E C B Q1984 E	8.9 9.7 5.1
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E C B Q1984 E	8.9 9.7 5.1

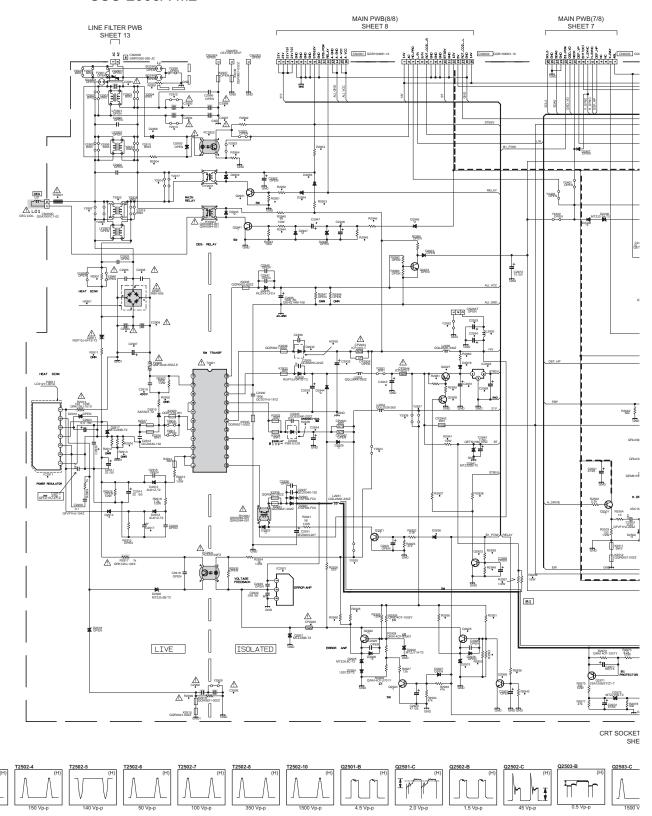


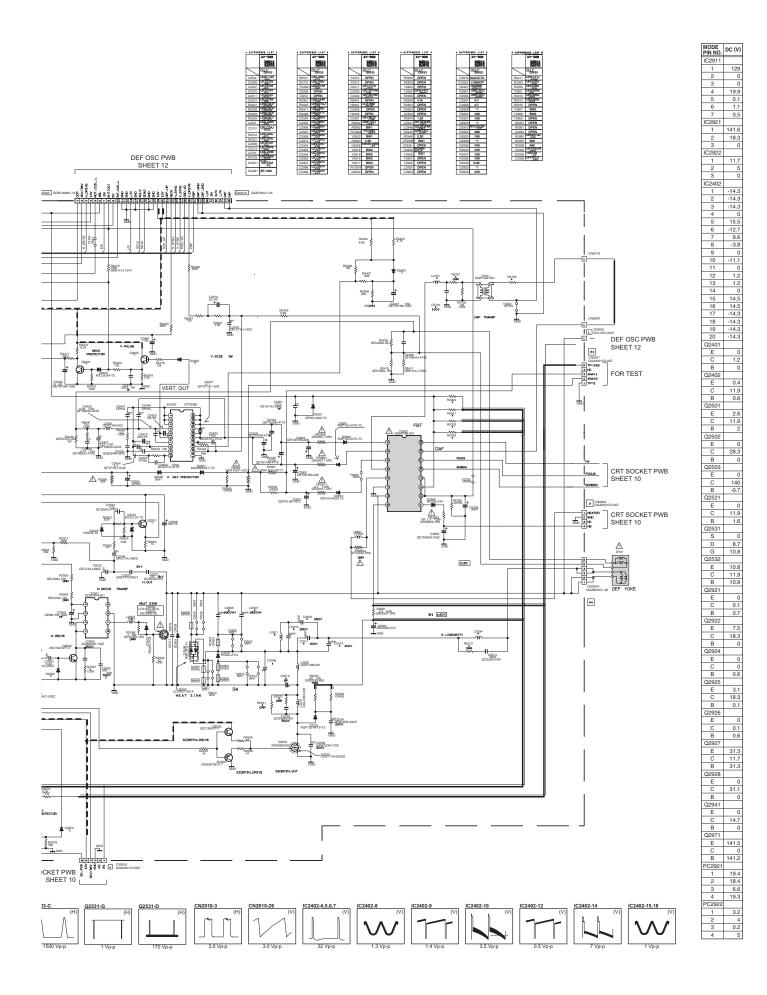


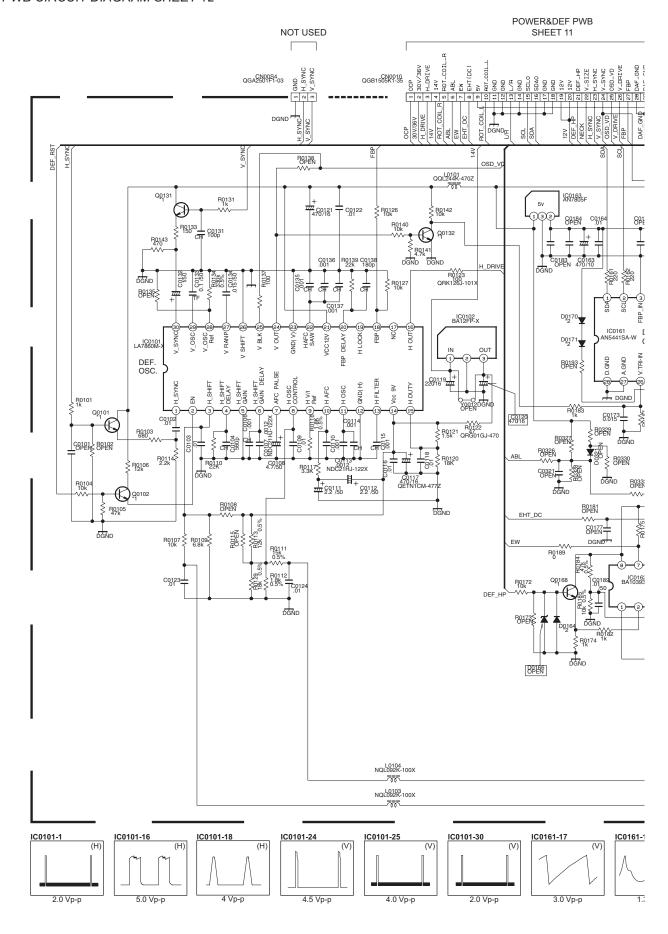


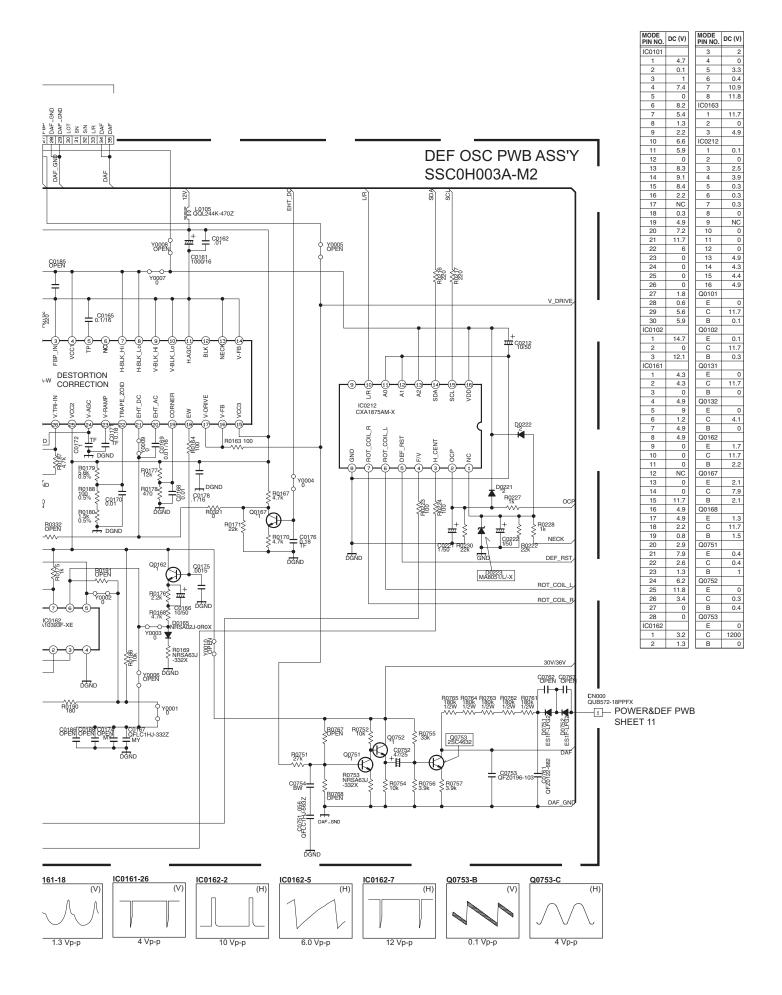


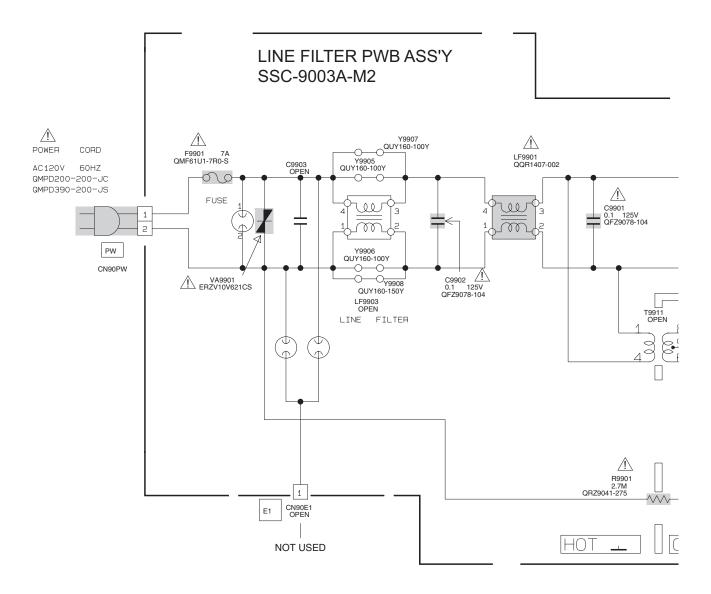
POWER&DEF PWB ASS'Y SSC-2003A-M2

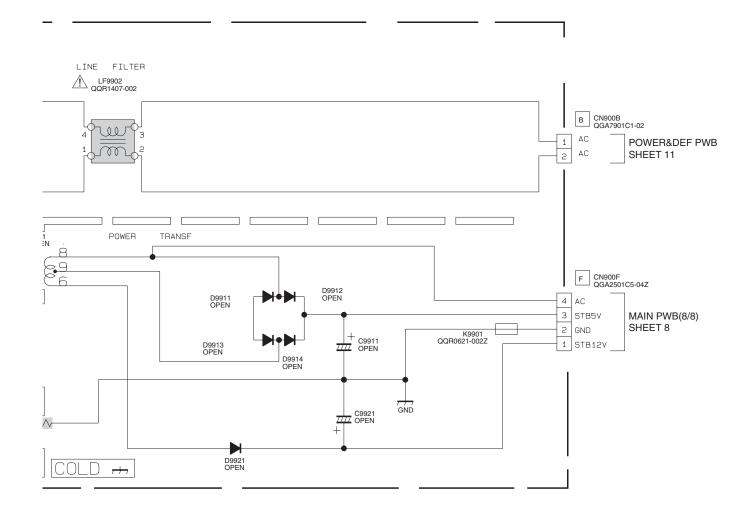


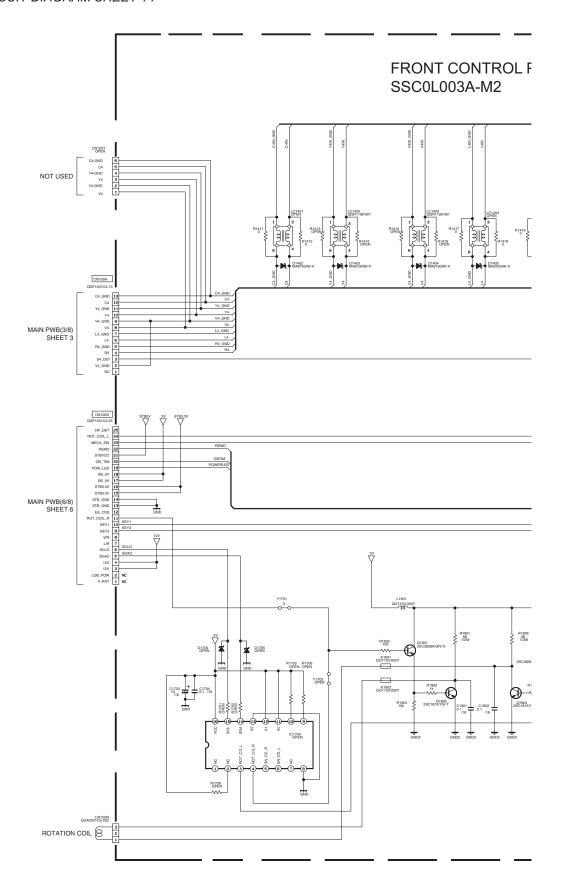


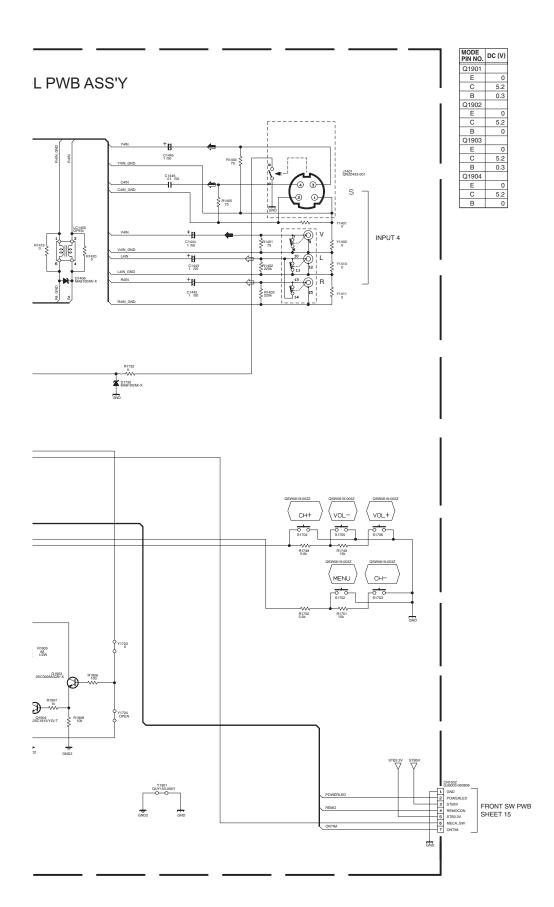








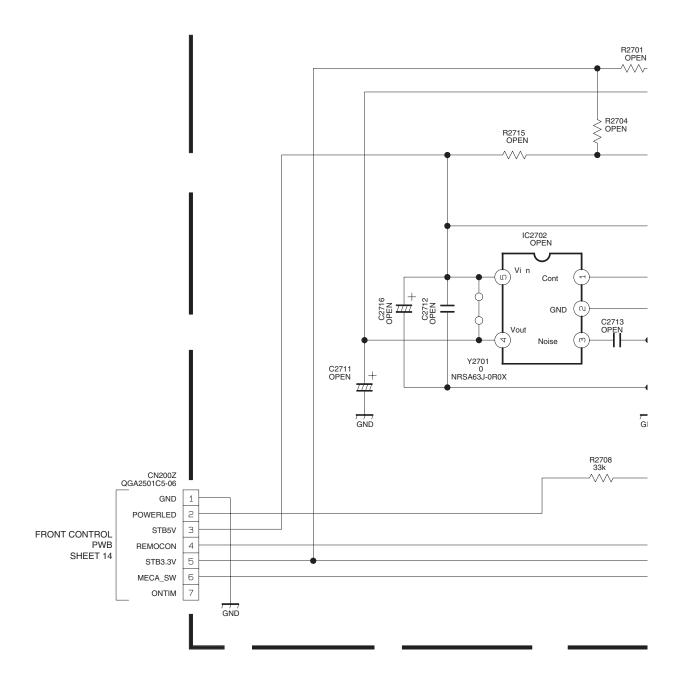


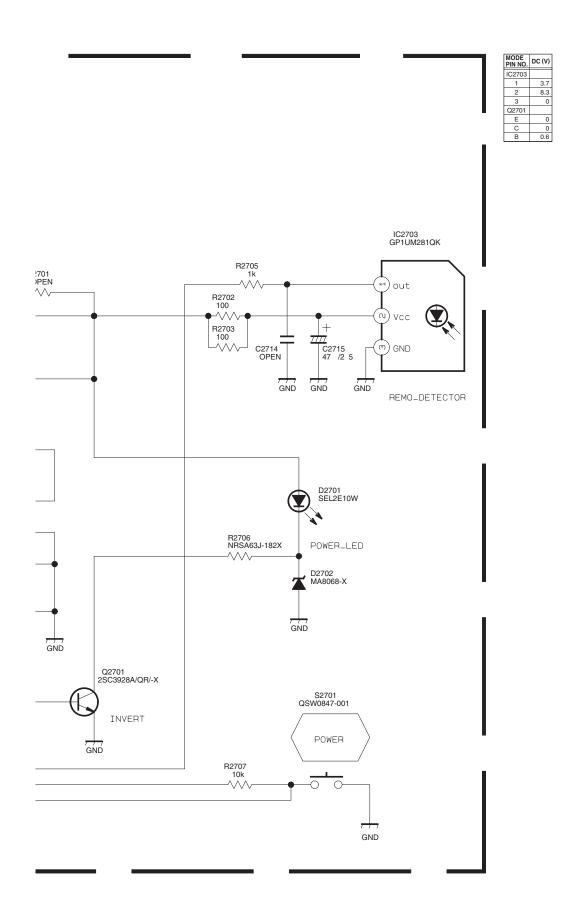


FRONT SW PWB ASS'Y

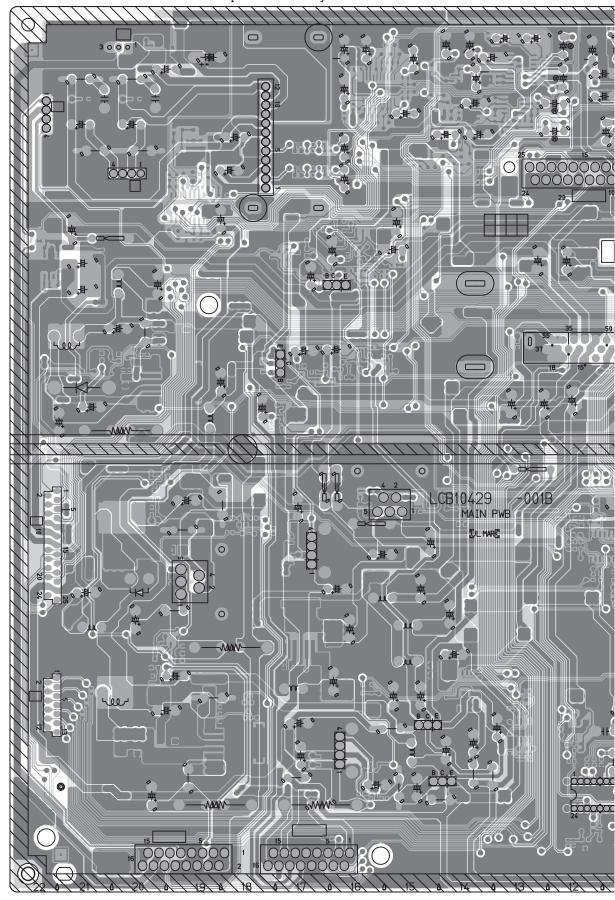
SSC0L104A-M2: AV-32S565/Y

SSC0L103A-M2: AV-32S575/Y, AV-32S585/Y

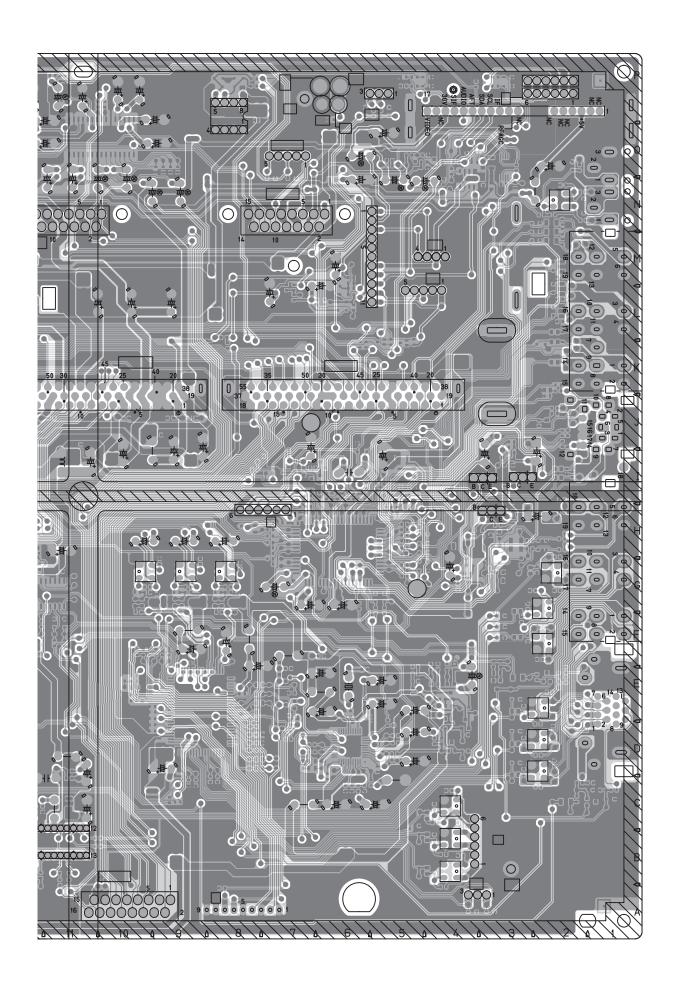


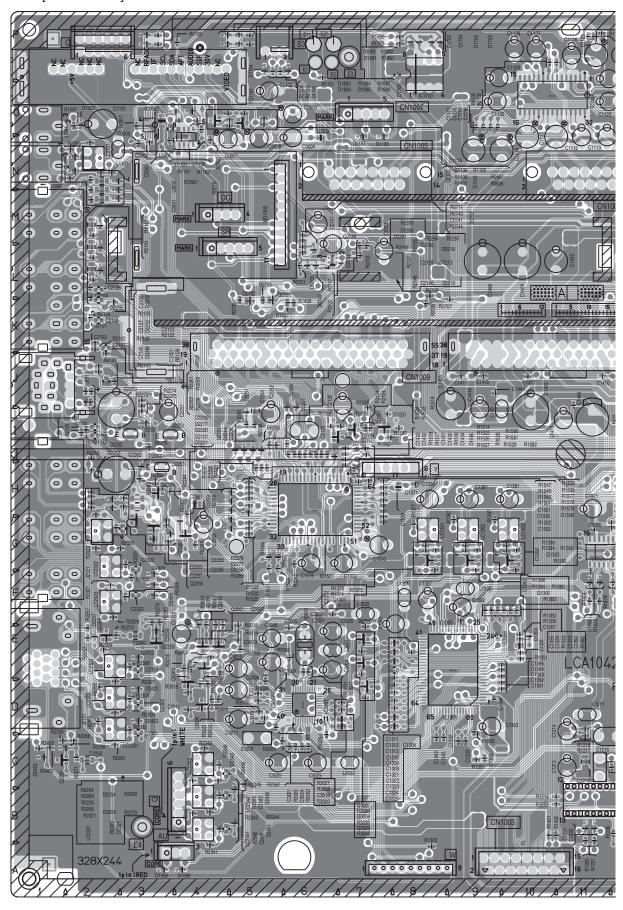


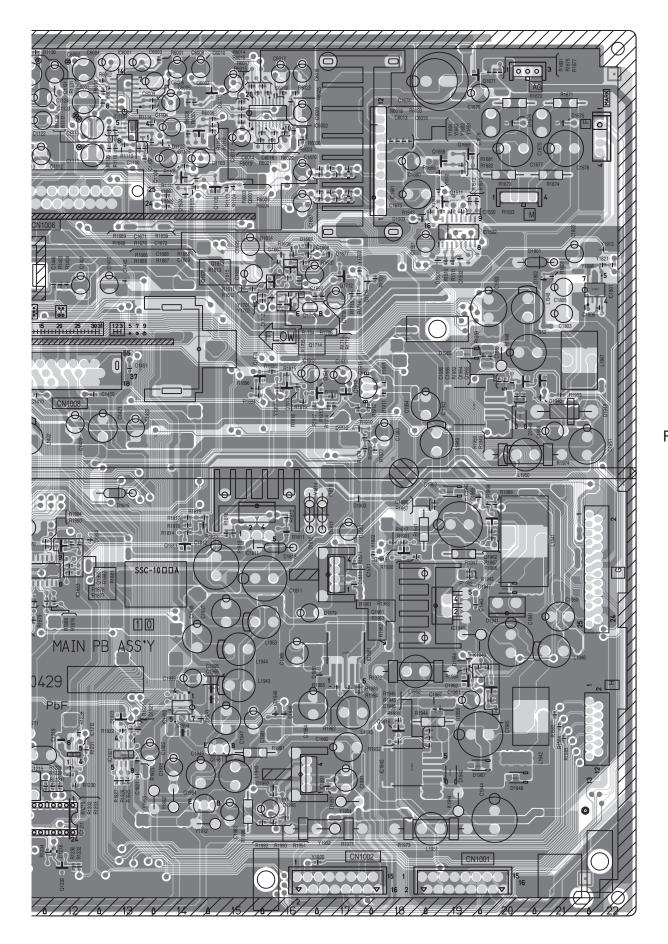
PATTERN DIAGRAMS MAIN PWB PATTERN [SOLDER SIDE]



FRONT

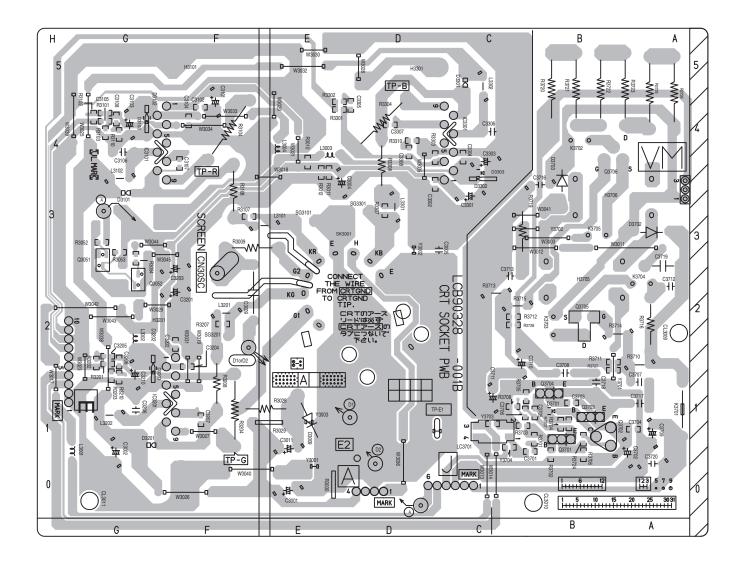


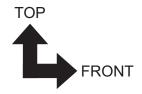


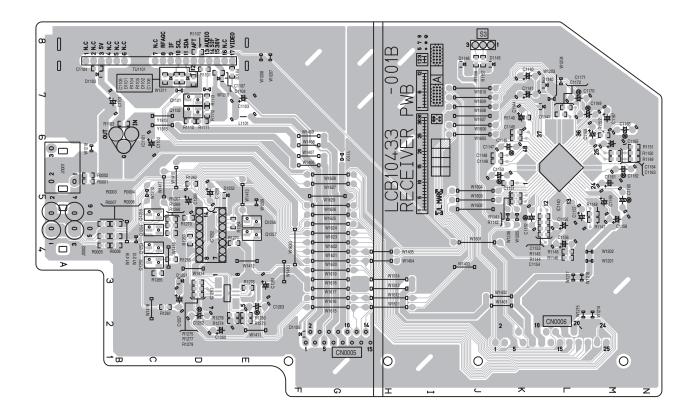


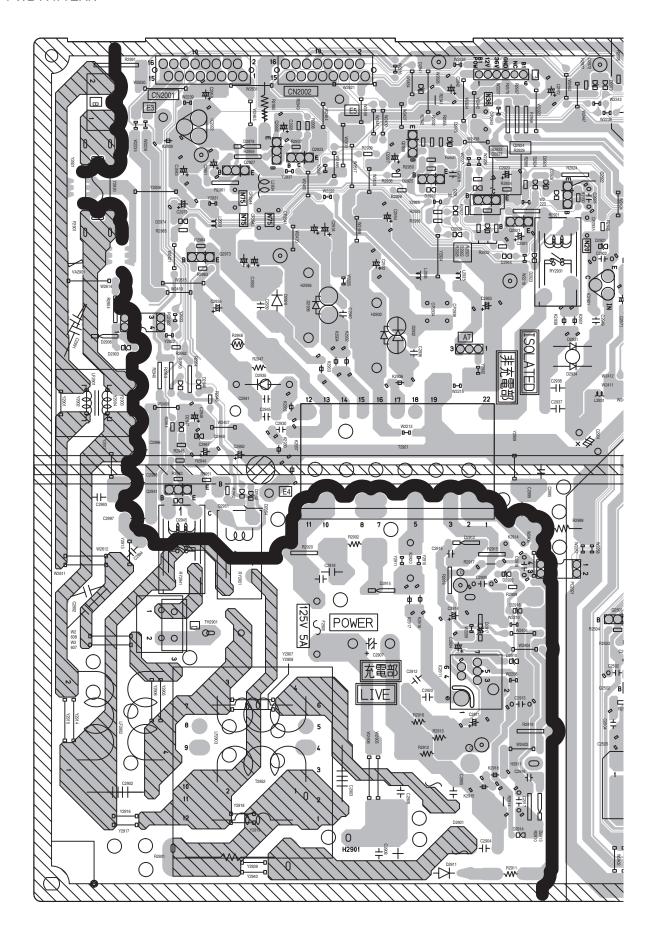




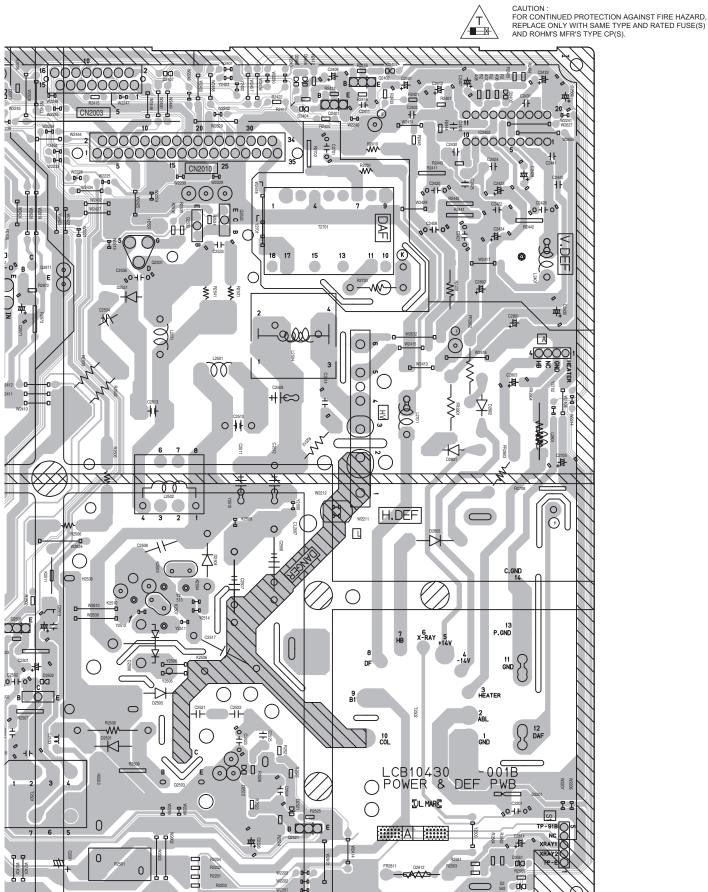


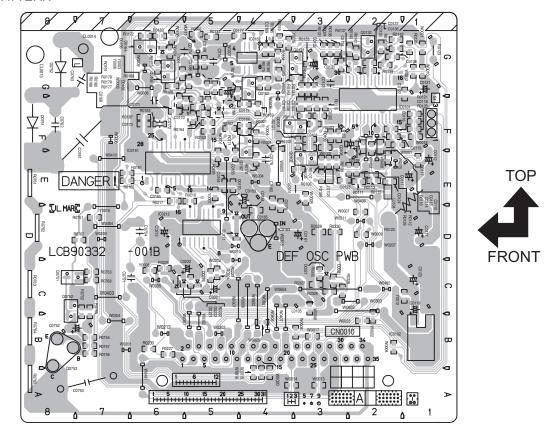




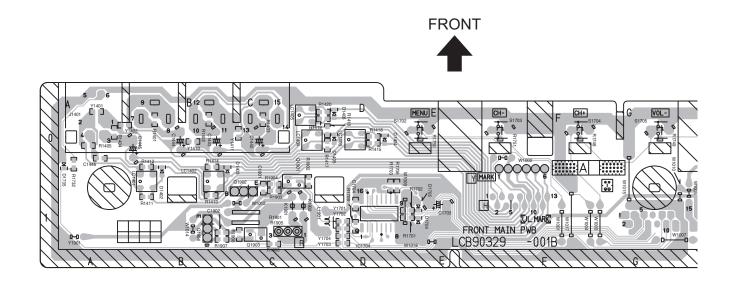


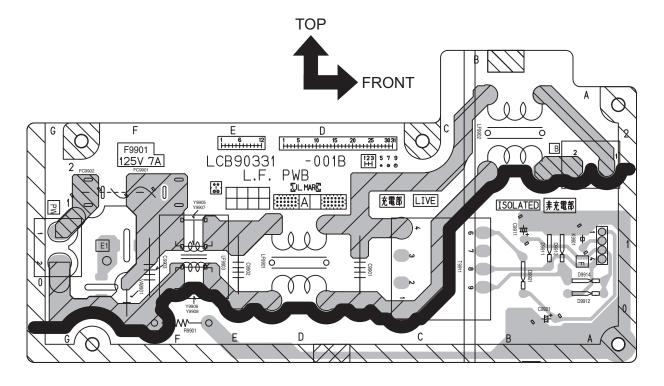




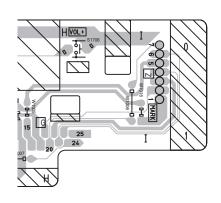


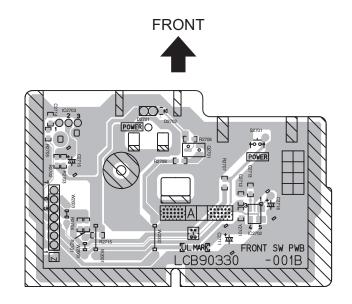
FRONT CONTROL PWB PATTERN





FRONT SW PWB PATTERN





CHANNEL CHART (US)

МО	DE	DAND	CHAI	NNEL	TUNER
TV	CATV	BAND	REAL	DISP.	BAND
			0 0 0	2 3 4 5 6	I
		VH	0 0 1 1 1	7 8 9 0 1 2 3	П
			A B	14 15	I
		MID	C D E F G H	16 17 18 19 20 21	
	SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	П	
×	X		W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47	
	HYPER	W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV	
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	

MO	DE	DAND	CHANNEL		TUNER	
TV	CATV	BAND	REAL	DISP.	BAND	
×	0	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+60 W+61 W+62 W+63 W+64 W+62 W+63 W+64 W+65 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV	
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I	
0	X	UHF	6	9	IV	
	TOTAL 180CH { VHF 124CH { UHF 56CH					
T P C	NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.					

CHANNEL CHART (CA)

MC	DE	DAND	CHANNEL REAL DISP.			TUNER
TV	CATV	BAND			BAND	
		VL	02 03 04 05 06		I	
		VH	0 0 1 1 1	7 8 9 0 1 2 3		
		MID	A B C D E F G H	14 15 16 17 18 19 20 21 22	п	
			J K L M N	23 24 25 26 27 28		
		SUPER	P Q R S T U V W	29 30 31 32 33 34 35 36		
×	0	HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	ш	
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	IV	

МО	DE		CHAI	NNEL	TUNER	
TV	CATV	BAND	REAL	DISP.	BAND	
×	CAIV	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV	
		OLID	A-8 A-4	01 96	I	
		SUB MID	A-3 A-2 A-1	97 98 99	II	
0	×	UHF	14		IV	
	TOTAL 180CH { VHF 124CH { UHF 56CH					
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.						